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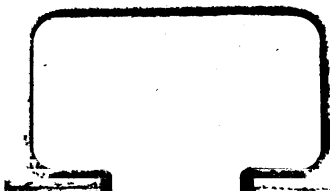
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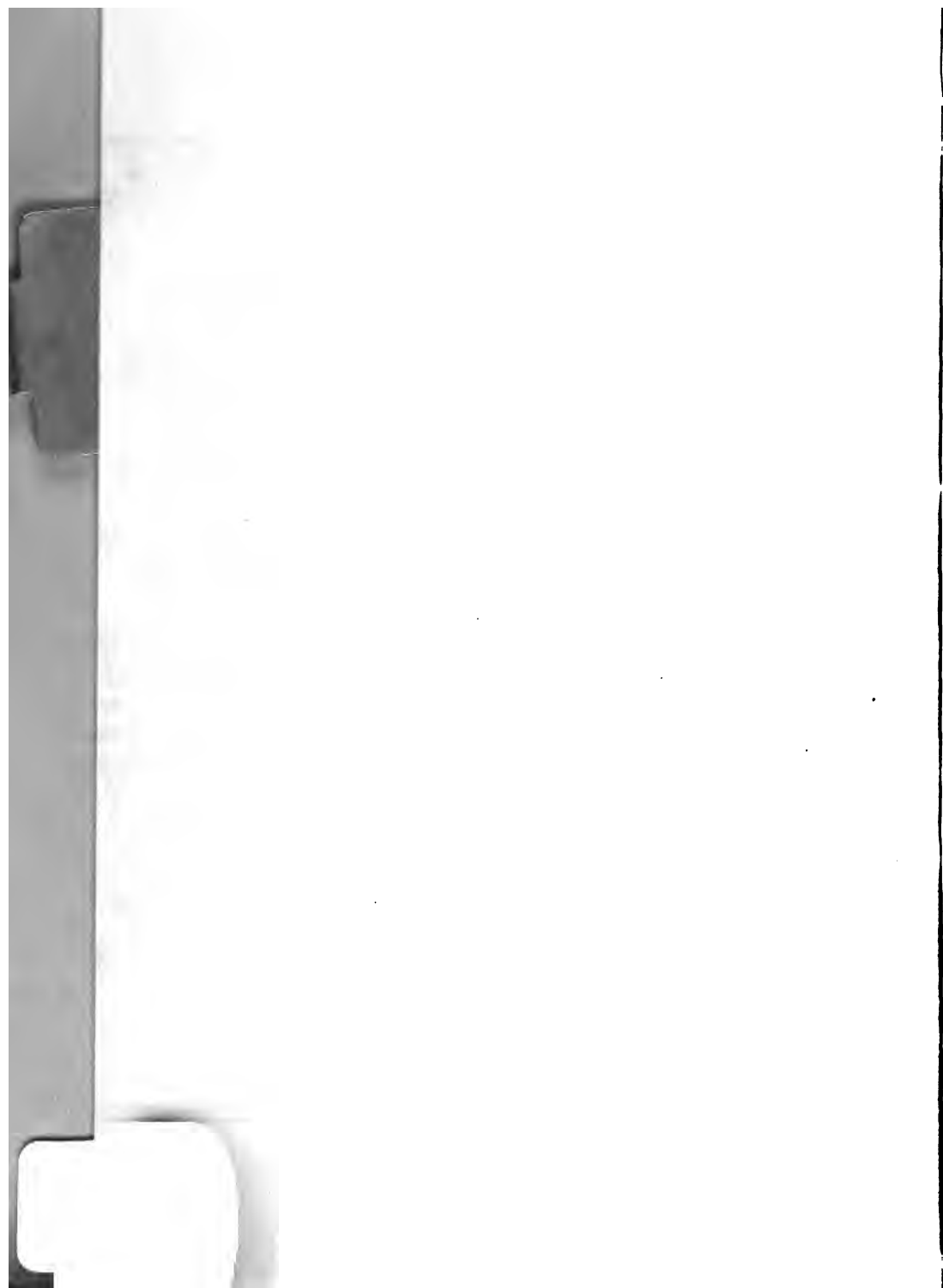
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81	McElfresh, Prof. W. E.	35	Hopkins Hall	94	Taconic Golf Club
2	McLaren, Prof. W. W.	58	Hopkins Observatory		
45	Mears, Prof. B.	20	Infirmary		
87	Milham, Prof. W. I.	74	Jesup Hall		
51	Morton, Prof. A. H.				



CATALOGUE
OF
WILLIAMS COLLEGE

1919-1920



WILLIAMSTOWN, MASS.
PUBLISHED BY THE COLLEGE
1919

1919	1920	1921
JULY	JANUARY	JULY
S M T W T F S	S M T W T F S	S M T W T F S
.. 1 2 3 4 5	.. 1 2 3 .. 1 2 3 1
6 7 8 9 10 11 12	4 5 6 7 8 9 10	2 3 4 5 6 7 8
13 14 15 16 17 18 19	11 12 13 14 15 16 17	9 10 11 12 13 14 15
20 21 22 23 24 25 26	18 19 20 21 22 23 24	16 17 18 19 20 21 22
27 28 29 30 31 ..	25 26 27 28 29 30 31	23 24 25 26 27 28 29
..	30 31
AUGUST	FEBRUARY	AUGUST
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17 18 19 20 21 22 23	22 23 24 25 26 27 28	20 21 22 23 24 25 26
24 25 26 27 28 29 30	29	27 28
31
SEPTEMBER	MARCH	SEPTEMBER
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14 15 16 17 18 19 20	14 15 16 17 18 19 20	12 13 14 15 16 17 18
21 22 23 24 25 26 27	21 22 23 24 25 26 27	19 20 21 22 23 24 25
28 29 30	28 29 30 31	26 27 28 29 30
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19 20 21 22 23 24 25	18 19 20 21 22 23 24	17 18 19 20 21 22 23
26 27 28 29 30 31 ..	25 26 27 28 29 30 ..	24 25 26 27 28 29 30
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NOVEMBER	MAY	NOVEMBER
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23 24 25 26 27 28 29	16 17 18 19 20 21 22	22 23 24 25 26 27 28
30	23 24 25 26 27 28 29	29 30 31
..	30 31
DECEMBER	JUNE	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
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14 15 16 17 18 19 20	13 14 15 16 17 18 19	12 13 14 15 16 17 18
21 22 23 24 25 26 27	20 21 22 23 24 25 26	19 20 21 22 23 24 25
28 29 30 31	27 28 29 30	26 27 28 29 30
..

CALENDAR

1919-1920

1919

June 23—Commencement.....Monday
 July 1—Last day for re-application for scholarships.....Tuesday

SUMMER VACATION

Sept. 12-17—Examinations for admission....Fri., Sat., Mon., Tues., Wed.
 Sept. 16-18—Registration of all classes.....Tues., Wed., Thurs. forenoon
 Sept. 18—Beginning of the College Year.....Thursday
 Oct. 6—Last day for registration for the Master's Degree.....Monday
 Oct. 8—Mountain Day, a holiday.....Wednesday
 Oct. 9—Meeting of the Board of Trustees.....Thursday
 Oct. 17—Victory Celebration—The Award of the Williams Medal ..Friday
 Nov. 26-28—Thanksgiving Recess.....Wed. noon to Fri. 1:30
 Dec. 18—Christmas Recess Begins.....4:30 P. M. Thursday

1920

Jan. 2—Christmas Recess Ends.....8:15 A. M. Friday
 Jan. 12-17—Registration for the second semester.....Mon. through Sat.
 Jan. 23—Recitations end.....Friday
 Jan. 24-Feb. 4—Semi-annual examinations.....Sat. through Wed.
 Feb. 5, 6, 7—Mid-year Recess.....Thurs., Fri., Sat.
 Feb. 7—First semester ends.....Saturday

Feb. 8—Second semester begins.....Sunday
 Feb. 23—A holiday (Washington's Birthday).....Monday
 Apr. 7—Spring Recess Begins.....4:30 P. M. Wednesday
 Apr. 15—Spring Recess Ends.....7:45 A. M. Thursday
 May 6—Meeting of the Board of Trustees.....Thursday
 May 17-22—Registration for the following semester.....Mon. through Sat.
 May 31—A holiday (Memorial Day).....Monday
 June 2—Recitations end.....Wednesday
 June 3-14—Semi-annual examinations.....Thurs. through Mon.
 June 21-26—Examinations for admission.....Mon. through Sat.
 June 18—Meeting of the Board of Trustees.....Friday
 June 18—Graves Prize Speaking.....Friday forenoon

WILLIAMS COLLEGE

June	18—Class Day exercises	Friday afternoon
June	18—Prize Rhetorical Exhibition	Friday evening
June	19—Alumni Meeting	Saturday forenoon
June	20—Baccalaureate Sermon	Sunday forenoon
June	20—Mission Park Meeting	Sunday afternoon
June	21—Commencement	Monday
July	1—Last day for re-application for scholarships	Tuesday

SUMMER VACATION

Sept.	10—15—Examinations for admission	Fri., Sat., Mon., Tues., Wed.
Sept.	14—16—Registration of all classes	Tues., Wed., Thurs. forenoon
Sept.	16—Beginning of the College Year	Thursday
Oct.	5—Last day for registration for the Master's Degree	Tuesday
Oct.	7—Meeting of the Board of Trustees	Thursday

 1921

June	20—Commencement	Monday
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13

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<i>Superintendent of Grounds and Buildings</i>	
<hr style="width: 20%; margin: 10px auto;"/>	
CHRISTINE PRICE, B.S.	Stetson Court
<i>Librarian in Charge</i>	
LUCY EUGENIA OSBORNE	Stetson Court
<i>Cataloguer</i>	
ANNA MARTHA SWEETSER, B.S.	27 Southworth St.
<i>Library Assistant</i>	
HARRIET LUTHERA FISHER, B.S.	25 Southworth St.
<i>Library Assistant</i>	
LUCY BOND PROCTOR, A.B., B.S.	27 Southworth St.
<i>Library Assistant</i>	
MILDRED THOMPSON, B.S.	25 Southworth St.
<i>Library Assistant</i>	
EMMA LOUISE NETHERWOOD	North Adams
<i>Stenographer</i>	
LILIAN MAY MUIR	North Adams
<i>Stenographer</i>	
EDITH MARGUERITE MERRIAM	North Adams
<i>Stenographer</i>	
HARRIET ASENATH STORRS	153 Main St.
<i>Secretary to the President</i>	

STANDING COMMITTEES OF THE FACULTY

1919-1920

COMMITTEE ON ADMINISTRATION

THE PRESIDENT, *Chairman*

THE CHAIRMAN PRO TEMPORE OF THE FACULTY

THE DEAN OF THE COLLEGE

PROFESSOR MORTON

PROFESSOR McLAREN

PROFESSOR PRATT

PROFESSOR DICKERMAN

ADVISORY COMMITTEE

THE PRESIDENT, *Chairman*

PROFESSOR McELFRESH

DEAN MAXCY

PROFESSOR WESTON

PROFESSOR SMITH

PROFESSOR WETMORE

ASSISTANT PROFESSOR SHEPARD

LIBRARY COUNCIL

THE PRESIDENT, *Chairman*

PROFESSOR GOODRICH

THE LIBRARIAN

PROFESSOR MORTON

PROFESSOR REES

COMMITTEE ON ADMISSIONS

DEAN MAXCY, *Chairman*

PROFESSOR HARDY

PROFESSOR GOODRICH

PROFESSOR TAYLOR

PROFESSOR HOWES

ASSISTANT PROFESSOR GALBRAITH

ASSISTANT PROFESSOR LONG

COMMITTEE ON SCHOLARSHIPS

PROFESSOR KELLOGG, *Chairman*

PROFESSOR MEARS

ASSISTANT PROFESSOR HEWITT

COMMITTEE ON CURRICULUM

PROFESSOR McELFRESH, *Chairman*

PROFESSOR PRATT

PROFESSOR SMITH

PROFESSOR MEARS

PROFESSOR HARDY

ASSISTANT PROFESSOR DUTTON

ASSISTANT PROFESSOR LONG

WILLIAMS COLLEGE

COMMITTEE ON PRIZES

PROFESSOR MILHAM, *Chairman* ASSISTANT PROFESSOR CLARK
ASSISTANT PROFESSOR LICKLIDER

COMMITTEE ON GRADUATE STUDENTS

PROFESSOR WETMORE, *Chairman* PROFESSOR McLAREN
PROFESSOR REES ASSISTANT PROFESSOR AGARD

COMMITTEE ON ATHLETICS

DEAN MAXCY, *Chairman* PROFESSOR PRATT
ASSISTANT PROFESSOR ALLEN

COMMITTEE ON THE HONOR SYSTEM

PROFESSOR WESTON, *Chairman* ASSISTANT PROFESSOR JOHNSON
ASSISTANT PROFESSOR ALLEN ASSISTANT PROFESSOR BUFFINTON

COMMITTEE ON STUDENT AND ALUMNI EMPLOYMENT

PROFESSOR MILHAM, *Chairman* PROFESSOR KELLOGG
ASSISTANT PROFESSOR CRU

WILLIAMS COLLEGE

The college owes its origin to an educational bequest of Colonel Ephraim Williams for the purpose of establishing "a Free School" in Williamstown. The charter of this school, which was granted March 8, 1785, reads as follows:

AN ACT for directing the use and appropriation of a charitable donation, made in a certain clause in the last will and testament of Ephraim Williams, Esq., for the support and maintenance of a Free School in Williamstown, in the County of Berkshire; and for incorporating certain persons as trustees, in order more effectually to execute the intention of the testator, expressed in the same.

Whereas, Israel Williams, Esq., and John Worthington, Esq., executors of the last will and testament of Ephraim Williams, Esq., deceased, have represented to this court that the said Ephraim Williams, on the twenty-second day of July, Anno Domini one thousand seven hundred and fifty-five, made his last will and testament, in which, after divers bequests, devises, and dispositions, is contained the following clause, viz.:

Item: "It is my will, desire, and pleasure that the remaining part of the lands, not yet disposed of, shall be sold at the discretion of my executors, within five years after an established peace; and the interest of the money and also the interest arising from my bonds and notes shall be appropriated towards the support and maintenance of a Free School, in a township west of Fort Massachusetts, commonly called the West Township, forever; provided, the said township shall fall within the jurisdiction of the Province of Massachusetts Bay; and provided, also, the Governor and General Court give the same township the name of Williamstown; and it is further my will and desire, that if there shall remain any monies of the said above donation for the school, it be given towards the support of a school in the East Township, where the fort now stands; but in case the above provisos are not complied with, then it is my last will and choice that the interest of the above-mentioned monies be appropriated to some pious and charitable uses, in manner and form as above directed in the former part of my last will and testament."

And, whereas the said executors have further represented that it may be a matter of doubt and uncertainty whether the township mentioned in the above recited clause (which is now incorporated by the name of Williamstown)

has so far fallen within the jurisdiction of the Province of Massachusetts, now Commonwealth of Massachusetts, in the sense of the testator, as that they might be justified in appropriating the said donation to the support and maintenance of a Free School in said town; and have submitted their duty to the determination of this court, praying that an act may be passed to declare their duty, and to indemnify them in the execution of the same.

SECTION 1. Be it enacted by the Senate and the House of Representatives, in General Court assembled, and by authority of the same, that the donation made in the clause before recited ought to be presently applied to the use and maintenance of a Free School in the town of Williamstown, in the County of Berkshire, and that in case the said donation shall afford an annual interest more than sufficient for the supporting and maintaining such school in Williamstown, then the surplusage be appropriated to the use and maintenance of a Free School in the tract of land called by the testator East Township, now incorporated by the name of Adams, with other lands, applying and appropriating the said donation to the uses above expressed, and shall be liable to no action or suit in law or equity, on account of such appropriations.

And, whereas the said executors have further prayed that for carrying into complete execution the intention of the testator, a corporation may be created and vested with such powers as may be necessary for that purpose;

SECTION 2. Be it further enacted by the authority aforesaid, that William Williams of Dalton, Theodore Sedgwick, Woodbridge Little, John Bacon, Thompson Joseph Skinner, Esquires, the Reverend Seth Swift and Daniel Collins, Mr. Israel Jones and Mr. David Noble, and their successors, to be elected and appointed as hereinafter directed and provided, be, and hereby are, incorporated, and shall be a corporation forever by the name of "The Trustees of the donation of Ephraim Williams, Esq., for maintaining a Free School in Williamstown"; and that the said trustees and their successors be, and hereby are, vested with all the powers, rights, and immunities, which are by law incident to aggregate eleemosynary corporations.

SECTION 3. And be it further enacted, that the said corporation shall always consist of a number not less than seven, nor more than nine persons, excepting only that whenever a vacancy shall happen by death, removal, refusal, or resignation of any member or members, so that the number be reduced to less than seven, the aforesaid number, then the remaining or surviving trustees shall have full power to perform all corporate acts until such vacancy be supplied; and the said trustees shall elect and appoint a clerk of the corporation, who shall fairly enter and record all votes, acts, orders, and proceedings made, done or passed by the trustees; and shall elect a proper person to be their treasurer, who shall receive into his hands all monies belonging to

the corporation and pay the same pursuant to the order of the trustees, and shall always keep a fair account of all receipts and payments.

SECTION 4. And be it further enacted, that the power of electing and appointing successors in case of the death, removal, refusal, or resignation of any of the trustees be, and hereby is, vested solely in the Supreme Judicial Court of this Commonwealth; and whenever any of the above-mentioned cases shall happen, the trustees shall, as soon as conveniently may be, certify the same to the Justices of the said court, that a successor may be appointed; and the Justices of the same court are hereby empowered to remove from office and trust any member of the corporation who shall, in their judgment, be unfit to hold the same, by reason of incapacity, misdemeanor, negligence, or breach of trust.

And to the intent that the said donation may not be wasted, mismanaged, or perverted from its original intention;

SECTION 5. Be it further enacted by the authority aforesaid, that the said corporation, and the donation itself, shall always be under the visitation and direction of the Supreme Judicial Court, who are hereby empowered to visit the said corporation to rectify all abuses, to determine all matters of doubt or dispute touching the duty of the trustees, and the use, application, or appropriation of monies or interests to the same donation belonging; and to make all such orders and regulations with respect to the use, management, and appropriation of the same donation and every part thereof, as they shall judge necessary or useful in order to promote the best interests of the school, according to the true meaning and intention of the testator and such laws of this Commonwealth as may be in force respecting the same; and the said court, whenever they shall judge necessary, shall cause the said trustees to come before them, either to render an account of expenditures and dispositions of monies, or to answer for any mismanagement or breach of trust; and the trustees shall appear and lay their accounts, papers, records, and corporation books before the said court for inspection, whenever they shall be required thereto.

SECTION 6. And be it further enacted, that the said trustees and their successors forever shall have the possession, management, and disposition of the whole interest and estate, real and personal, which is contained in and given, bequeathed, devised, or disposed of by the above recited clause in the will aforesaid; and they are hereby empowered and directed, as soon as conveniently may be, to erect and maintain a Free School within the said town of Williamstown, for the instruction of youth, in such manner as most effectually to answer the pious, generous, and charitable intention of the testator, and agreeable to such orders and instructions as they may, from time to time, receive from the Supreme Judicial Court; and they are hereby empowered to

appoint and employ such instructors, masters, and officers, as shall be necessary for that purpose.

And to the intent that the said trustees may be enabled, in the most easy and expeditious manner, to receive in their own possession and management, the whole estate, property, and interest, contained in the aforesaid donation;

SECTION 7. Be it further enacted by the authority aforesaid, that the said executors shall, at the request of the trustees, make and execute to the said trustees a deed or deeds of conveyance of all such lands or real estate as belong to said donation, and yet remain unsold, in which deed or deeds it shall be expressed that the executors do grant to the trustees the right, estate, and interest of the testator, and of themselves, in and to the described lands or tenements to the trustees and their successors forever; and the said executors shall deliver over into the hands of the trustees, at their request, all such personal securities or mortgages as the executors now have in their own hands, and which are a part of the same donation; all of which securities, whether bonds, promissory notes, mortgage deeds, or of what name or description soever, being endorsed with the names of the said executors, or one of them, and delivered as aforesaid, shall become the property of the trustees to all intents and purposes; and they are hereby empowered, in the name of the corporation, to bring any action or actions against the obligors, promisors, mortgagors, or tenants, for recovering the contents of the same securities, or possession of mortgaged estates, which action or actions shall be holden to be good and valid in law for that purpose, as if the securities or mortgage deeds had been originally made to the trustees by their corporate names.

And, whereas the testator has directed that in case his principal donations should afford an interest more than sufficient for the support and maintenance of the school in Williamstown, the surplusage should be improved to the use of a school in the East Township, now called Adams, in the said County of Berkshire; and whereas questions and disputes may arise touching the nature, meaning, and extent of this part of the will, and where there may be said to be a surplusage beyond what should be necessary, according to the intent of testator, for the support of the school in Williamstown;

SECTION 8. Be it further enacted, that in case of such surplusage, the said trustees are hereby empowered and directed to use and employ the same for erecting and supporting a Free School in the said town of Adams, in the same manner as has been in this act before provided in respect of the school in Williamstown; and that all questions and disputes that may arise concerning such surplusage, and the duty of the trustees in respect of the several schools, shall be determined by the Supreme Judicial Court; and the trustees shall always conform their conduct and administration herein to such orders and determinations as shall, from time to time, be made by the same court.

SECTION 9. And be it further enacted, that the Supreme Judicial Court may, at their discretion, exercise all the powers vested in them by virtue of this act, at any of the sessions holden within the counties of Berkshire or Hampshire; and in all trials at law, the court, ex-officio, shall take notice of this act to all intents and purposes whatsoever, and the same shall be given in evidence under any general issue.

At their first meeting, April 24, 1785, the trustees passed a resolution to the effect that "it is the sense of the corporation that the Free School in Williamstown be open and free for the use and benefit of the inhabitants of that town and of the free citizens of the American States indiscriminately." They also decided that "it will best coincide with the liberal views of the donor and the intention of the legislature to admit no pupil to the Free School * * * not having been taught to read English well."

As they found it difficult to collect the necessary funds for erecting a building, the trustees sent a petition, August 19, 1788, to the legislature, "for the grant of a lottery to raise the sum of twelve hundred pounds." Accordingly an act was passed February 11, 1789, making such a grant.

The initial step toward a transformation of the Free School into a college was taken at a meeting of the trustees, May 23, 1792. In a petition to the legislature they "humbly showed" what had been done already, and set forth the "several circumstances attending the situation of the Free School * * * peculiarly favorable to a seminary of a more public and important nature." The petition was granted, and an act to establish the college and to transfer to it the property of the Free School was passed June 22, 1793:

AN ACT to establish a college in the County of Berkshire, within this Commonwealth, by the name of Williams College.

Be it enacted by the Senate and House of Representatives, in the General Court assembled, and by the authority of the same, that there be erected and established in the town of Williamstown, in the County of Berkshire, a college for the purpose of educating youth, to be called and known by the name of Williams College, to be under the government and regulation of a body politic and corporate, as hereafter in this act provided.

And be it further enacted by the authority aforesaid, that John Bacon, Esq., Rev. Daniel Collins, Israel Jones, Woodbridge Little, David Noble, Theodore Sedgwick, Thompson J. Skinner, Esquires, Rev. Seth Swift, Henry Vanscaak, Esq., Rev. Stephen West, D.D., William Williams and Elijah Williams, Esquires, together with the president of the said college for the time being, to be chosen as in this act is hereafter directed, be and hereby are created a body politic and corporate, by the name of "The President and Trustees of Williams College," and that they and their successors, and such others as shall be duly elected members of the said corporation, shall be and remain a body politic and corporate, by that name forever.

And be it further enacted by the authority aforesaid, that for the more orderly conducting the business of the said corporation, The President and Trustees shall have full power and authority from time to time, as they shall determine, to elect a vice president and secretary of the said corporation and to declare the tenures and duties of their respective offices and also to remove any trustee from the said corporation, when, in their judgment, he shall be rendered incapable, by age or otherwise, of discharging the duties of his office or shall neglect or refuse to perform the same, and to fill up all vacancies in the said corporation, by electing such persons for trustees as they shall judge best. Provided, nevertheless, that the number of the said trustees, including the president of the said college, for the time being, shall never be greater than seventeen nor less than eleven.

And be it further enacted that the said corporation may have one common seal, which they may change, break or renew, at their pleasure; and that all deeds signed and delivered by the treasurer, and sealed with their seal, by order of The President and Trustees, shall, when made in their corporate name, be considered in law as the deed of the said corporation; and that the said corporation may sue and be sued in all actions, real, personal or mixed, and may prosecute and defend the same to final judgment and execution, by the name of The President and Trustees of Williams College; and that the said corporation shall be capable of having, holding and taking in fee simple of any less estate, by gift, grant, devise, or otherwise, any lands, tenements or other estate real or personal. Provided, nevertheless, that the annual clear income of the same shall not exceed the sum of six thousand pounds.

And be it further enacted by the authority aforesaid, that the said corporation shall have full power and authority to determine at what times and places their meetings shall be holden and in the manner of notifying the trustees to convene at such meetings; and also from time to time, elect a president and treasurer of said college, and such professors, tutors, instructors, and other officers of said college as they shall judge most for the interest thereof, and to determine the duties, salaries, emoluments and tenures of their several officers aforesaid; the said president, for the time being, when elected and inducted into his office, to be, ex-officio, president of said corporation. And the said

corporation are further empowered to purchase or erect, and to keep in repair, such houses and other buildings as they shall judge necessary for the said college; and also to make and ordain, as occasion may require, reasonable rules, orders and by-laws, not repugnant to the laws of this Commonwealth, with reasonable penalties, for the good government of the said college; and also to determine and prescribe the mode of ascertaining the qualifications of the students, requisite to their admission; and also to confer such degrees as are usually conferred by universities established for the education of youth. Provided, nevertheless, that no corporate business shall be transacted at any meeting, unless seven at least of the trustees are present; and provided further, that the said corporation shall confer no degree other than those of Bachelor of Arts and Master of Arts, until after the first day of January, which shall be in the year of our Lord one thousand eight hundred.

And be it further enacted by the authority aforesaid, that the clear rents, issues and profits of all the estates, real and personal, of which the said corporation shall be seized or possessed, shall be appropriated to the endowment of said college, in such manner as shall most effectually promote virtue and piety, and the knowledge of such of the languages, and of the liberal arts and sciences as shall hereafter be directed from time to time, by the said corporation.

And be it further enacted by the authority aforesaid, that the Hon. Thompson J. Skinner, Esq., be, and he is hereby authorized and empowered to fix the time and place for holding the first meeting of the said corporation, of which he shall give notice by an advertisement in the Stockbridge newspapers, at least fourteen days previous thereto.

And be it further enacted by the authority aforesaid, that the treasurer of the said college shall, before he enter upon the execution of the duties of his office, give bonds to the said corporation, with such sums, and with such sureties as they shall approve of, conditioned for the faithful discharge of the said office, and for rendering a just and true account of his doings therein, when required. And that all the money, securities and other property of The President and Trustees of Williams College, together with all the books in which his accounts and proceedings as treasurer were entered and kept, that shall be in his hands at the expiration of his office, shall, upon demand made upon him, his executors or administrators, be paid and delivered over to his successor in that office. And all monies recovered by virtue of any suit at law, upon said bond, shall be paid over to the president and trustees aforesaid, and subjected to the appropriation above directed in this act.

And be it further enacted by the authority aforesaid, that the Legislature of this Commonwealth may grant any further powers to, or alter, limit, annul or restrain any of the powers by this act vested in said corporation, as shall be judged necessary to promote the best interest of the said college; and, more especially, may appoint and establish overseers or visitors of the said college, with all necessary powers and authorities for the better aid, preservation and government thereof.

And be it further enacted by the authority aforesaid, that all the property, real and personal, belonging to the trustees of Williamstown Free School, be, and the same hereby is vested in the corporation, which by this act is created.

And be it further enacted by the authority aforesaid, that there be, and hereby is granted to the trustees of Williams College, for the use, benefit and purpose of supporting said college, twelve hundred pounds, to be paid out of the treasury of this Commonwealth; three hundred pounds of the same to be paid the first day of September, one thousand seven hundred and ninety-three, and three hundred pounds annually, on the first day of September, for the three succeeding years.

February 26, 1796, an additional act was passed, as follows:

Whereas, Doubts have arisen whether the rights and credits which, previous to passing the act aforesaid, were vested in and belonging to the trustees of the donation of Ephraim Williams, Esquire, for maintaining a Free School in Williamstown, are by virtue of the same act transferred to and vested in the corporation of The President and Trustees of Williams College:

Be it therefore enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, that the said rights and credits be and hereby are transferred to and vested in the said Corporation of The President and Trustees of Williams College, who are hereby authorized to commence and prosecute to their final judgment and execution, any suit or action in law or equity, which the said trustees of the donation of Ephraim Williams, Esquire, for maintaining a free school in Williamstown, might heretofore have commenced or prosecuted.

On petition of the trustees the legislature passed an act February 4, 1796, granting the college two townships of land "of the contents of six miles square each, to be laid out and assigned from any of the unappropriated lands belonging to this Commonwealth in the district of Maine." The act provided that the trustees "shall cause to be settled fifteen families in each of said townships within twelve years from the passing this resolve; and also that there be reserved in each township three lots of three hundred and twenty acres each for the following uses, viz., one lot for the first settled minister, one lot for the use of the ministry, and one lot for the use of schools in each of said townships." These lands were sold for about \$10,000, and the proceeds devoted to building East College.

Nine years later the college again appealed to the legislature for assistance. A committee of that body, which investigated the condition and prospects of the institution, made the following report, February 19, 1805:

The Committee of both Houses, to whom was referred the petition of The President and Trustees of Williams College, praying the aid of government to enable them to build a chapel for the performance of divine service, and for keeping the college library and apparatus, having examined the origin, rise and progress of the seminary, from its institution to the present time, together with the aid heretofore afforded by the government, and the existing state of its funds, beg leave to observe, That the funds granted by the original donor and the government have, in the opinion of the Committee, been judiciously applied to the object of the institution, and with success exceeding the most sanguine expectations, and that the present state of the college affords a reasonable and pleasing expectation of its future extensive benefits to society, and that a chapel for the purposes above mentioned would essentially promote the same; and as the encouragement and grants of the government to that college have not been equal to those made to other seminaries in the Commonwealth, the Committee ask leave to report the following resolve:

Resolved, For reasons set forth in the petition, that there be and hereby is granted one township of land of the contents of six miles square to be laid out and assigned from any of the unappropriated lands belonging to the Commonwealth, in the District of Maine, except the ten townships lately purchased of the Penobscot Indians. * * *

In 1809 the legislature granted another township of land in Maine "for further aid in support of Williams College and for the erecting of other buildings for the convenience of the institution and for sustaining a professor of the Oriental languages." The sum of \$9,500 was realized from the last two townships.

The legislature passed an act February 24, 1814, "for the Encouragement of Literature, Piety and Morality and the Useful Arts and Sciences," and appropriated the taxes due to the Commonwealth from the Massachusetts Bank, "for the ten years next to come," to Harvard, Williams, and Bowdoin. Of this fund Williams received three-sixteenths which amounted to \$30,000. In 1859 the State gave the College \$25,000 and in 1868, \$75,000. The total of these legislative gifts is \$153,500.

In 1883 the following act was passed:

AN ACT to authorize The President and Trustees of Williams College to hold additional real and personal estate.

[Be it enacted, etc., as follows:]

SECTION 1. The proviso in section 4 of the act establishing Williams College, passed on the twenty-second day of June in the year seventeen hundred and ninety-three, is hereby amended so as to read: "Provided, nevertheless, that the clear annual income of the same shall not exceed two hundred thousand dollars."

SECTION 2. This act shall take effect upon its passage.

In 1890 the legislature passed the following act:

The corporation known as The President and Trustees of Williams College and its standing committees may hold special meetings without the limits of the Commonwealth.

In 1906 the legislature passed the following act:

AN ACT to authorize The President and Trustees of Williams College to hold additional real and personal property.

[Be it enacted, etc., as follows:]

SECTION 1. The proviso at the end of section four of the act establishing Williams College, passed on the twenty-second day of June in the year seventeen hundred and ninety-three, as amended by chapter thirty-nine of the acts of the year eighteen hundred and eighty-three is hereby further amended by striking out the words "two hundred thousand," in the last line of the proviso, and inserting in place thereof the words:—one million,—so that the proviso will read as follows:—Provided, nevertheless, that the clear annual income of the same shall not exceed one million dollars.

SECTION 2. This act shall take effect upon its passage.

The principal college buildings with the dates of their erection are as follows: West College, 1790; East College, 1798, burned in 1841, rebuilt in 1842; Fayerweather Hall, 1842, formerly South College, remodeled and enlarged, 1905; Griffin Hall, 1828, moved and remodeled in 1904; Hopkins Observatory, 1837; Lawrence Hall, 1846, extensions added in 1890; Goodrich Hall, 1859, formerly the Alumni Hall Chapel, remodeled and converted into

recitation and seminar rooms in 1905; Field Memorial Observatory, 1882; Morgan Hall, 1882; Lasell Gymnasium, 1886; Hopkins Memorial Hall, 1890; Thompson Chemical Laboratory, 1892, burned in 1915, rebuilt in 1916; Thompson Biological Laboratory, 1893; Thompson Physical Laboratory, 1893; Jesup Hall, 1899; Thompson Memorial Chapel, 1904; Central Heating Plant, 1904; Berkshire Hall, 1905; Edward Clark Hall, 1908, original structure erected in 1881; Currier Hall, 1908; Grace Hall, 1911; Williams Hall, 1911; Thompson Infirmary, 1911.

ADMISSION

All correspondence in matters of admission should be addressed to the Chairman of the Committee on Admissions.

REQUIREMENTS FOR ADMISSION

An application for admission should be filed by every candidate. It is desired that this be done not later than August 1st of the year in which the candidate proposes to enter college. A blank for this purpose is inserted in this catalogue. Additional copies may be secured from the Registrar.

Every candidate for admission must present a testimonial of good character from the principal under whom he was prepared for college. *This must be submitted before the attendance on college exercises begins.*

Candidates for admission to the Freshman class must present credit by examination or by certificate in *one of the following groups* of subjects, the work covered by the subjects being described in detail in the pages following. All students admitted to Williams College are candidates for the degree of Bachelor of Arts, and no provision is made for the acceptance of special students.

The notation used agrees with that of the College Entrance Examination Board.

ADMISSION GROUP I

English 1 and 2
Greek A, B, C, and G
History A
Latin 1, 2, 4, and 5
Mathematics A and C
An Elective

ADMISSION GROUP II

English 1 and 2
*French A and B
History A
Latin 1, 2, 4, and 5
Mathematics A and C
An Elective

* The passing of French B does not entitle to credit in French A. Both French A and French B must be passed, when offered by examination.—See footnote, p. 51.

APPLICATION FOR ADMISSION

The undersigned hereby applies for admission to Williams College and submits the following information, for the accuracy of which he vouches.

Full name Age in yrs.

Home address

Name of parent or guardian (and address if different from applicant's)

Name of preparatory school from which candidate expects to come

Address of school

Name of principal

Total number of years of attendance at this school

Year in which candidate expects to enter college

Admission group to be offered by candidate

Method of admission (indicate by a check mark)

By examination; by certificate; by both

No obligation is incurred by filing this application, which should be sent (preferably prior to August first) to

THE CHAIRMAN OF THE COMMITTEE ON
ADMISSIONS OF WILLIAMS COLLEGE,
WILLIAMSTOWN, MASS.

Signature

Date

Application for scholarship aid should be made to the Chairman of the Committee on Scholarships.

Application for rooms in the college dormitories should be made to the Treasurer.

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ADMISSION GROUP III

English 1 and 2
 *German A and B
 History A
 Latin 1, 2, 4, and 5
 Mathematics A and C
 An Elective

ADMISSION GROUP IV

English 1 and 2
 French A
 History A
 Latin 1, 2, 4, and 5
 Mathematics A, B, C, D, and F
 An Elective

ADMISSION GROUP V

English 1 and 2
 German A
 History A
 Latin 1, 2, 4, and 5
 Mathematics A, B, C, D, and F
 An Elective

The elective required may be chosen by the candidate from the following lists, it being understood that no subject specified as a requirement of a particular admission group (as, for example, French A or French B in Admission Group II) may serve as the elective in that group.

CLASS A

Biology
 Botany
 Chemistry
 History B
 History C
 History D
 History E
 Physics
 Zoölogy

CLASS B

French A
 French B
 German A
 German B
 Mathematics B
 Mathematics D
 Mathematics F
 Spanish A
 Spanish B

The subjects in Class A may be presented by examination or by certificate, but they may not be employed to secure college credit.

The subjects in Class B may be presented either by examination or certificate for the fulfillment of the elective requirement. When offered, however, with the object of gaining college credit the subjects in Class B must be presented by examination at the

* The passing of German B does not entitle to credit in German A. Both German A and German B must be passed, when offered by examination.—See footnote, p. 51.

hands either of the College Entrance Examination Board in June or of Williams College in September, and a mark as high as 75 is necessary for such credit. The following table of equivalents indicates the college credit which may be secured in this manner.

French <i>A</i>	equivalent to	French 1-2
French <i>B</i>	"	French 3-4
German <i>A</i>	"	German 1-2
German <i>B</i>	"	German 3-4
Mathematics <i>B, D, F</i>	"	Mathematics 1-2
Spanish <i>A</i>	"	Spanish 1-2
Spanish <i>B</i>	"	Spanish 3-4

The number of courses required for graduation is twenty—ordinarily five in each college year. This number is reduced by one or more according to the number of courses in which college credit is gained as above stated.

The details of the requirements in all subjects except Biology, Botany, Chemistry, History *E*, and Zoölogy are given in the following pages. English includes in every case English 1 and 2; Greek includes Greek *A, B, C*, and *G*; and Latin includes Latin 1, 2, 4, and 5, etc.

The details of the requirements in Biology, Botany, Chemistry, History *E*, and Zoölogy are to be found in the publications of the College Entrance Examination Board.

ADMISSION WITH CONDITIONS

Candidates who fail to meet in full the requirements indicated above may be admitted under conditions which require them to pass examinations later in the subjects in which they are deficient. The requirements for admission without conditions are specified above; but, as the terms of admission with conditions must vary with individual records, each case of such admission will be considered on its own merits by the Committee on Admissions. In general, the maximum number of units of condition permitted by the Committee is two.

DETAILS OF SUBJECTS

ENGLISH

REQUIREMENTS FOR 1920, 1921, AND 1922

The study of English in school has two main objects, which should be considered of equal importance: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation, and the development of the habit of reading good literature with enjoyment.

GRAMMAR AND COMPOSITION

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs should be thoroughly mastered; and practice in composition, oral as well as written, should extend through the secondary school period. Written exercises may well comprise letter-writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

LITERATURE

The second object is sought by means of the reading and study of a number of books from which may be framed a progressive course in literature. The student should be trained in reading aloud and be encouraged to commit to memory notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

A few of these books should be read with special care, greater stress being laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

EXAMINATION

Candidates will have the option of taking either of two examinations: (1) a "Comprehensive" examination; (2) a "Restricted" examination, based in part on a prescribed list of books.

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

Each examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature.

GRAMMAR AND COMPOSITION*Comprehensive and Restricted Examinations*

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, and those good usages of modern English which one should know in distinction from current errors. The main test in composition will consist of one or more essays developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words an hour.

LITERATURE*Comprehensive Examination*

The purpose of this examination will be to enable the candidate to show that he has read, understood, and appreciated a sufficient amount of English literature. The paper will include some questions that cannot be answered except by candidates who are able to apply what they have learned to passages of literature which they have not read before. Suggestions for books to be read in preparation for this examination will be found in the list of recommended reading appended to this report.

Restricted Examination

This examination will include:

A. Questions designed to test such knowledge and appreciation of literature as may be gained by an intelligent reading of the books given in list A below.

B. A test on the books in list B below. This will consist of questions upon their content, form, and structure, and upon

the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

When parts A and B of the restricted examination are taken at different times, each will include a test in grammar and composition.

RESTRICTED LIST

A. BOOKS FOR READING

The books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in Group I a book from any other may be substituted.

GROUP I. CLASSICS IN TRANSLATION

The *Old Testament*—at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther.

The *Odyssey*, with the omission, if desired, of Books I-V, XV, and XVI.

The *Aeneid*.

The *Odyssey* and the *Aeneid* should be read in English translations of recognized literary excellence.

GROUP II. DRAMA

Shakespeare: *Merchant of Venice*,
As You Like It,
Julius Caesar.

GROUP III. PROSE FICTION

Dickens: *A Tale of Two Cities*.

George Eliot: *Silas Marner*.

Scott: *Quentin Durward*.

Hawthorne: *The House of the Seven Gables*.

GROUP IV. ESSAYS, BIOGRAPHY, ETC.

Addison and Steele: *The Sir Roger de Coverley Papers*.

Irving: *The Sketch Book*—selections covering about 175 pages.

Macaulay: *Lord Clive*.

Parkman: *The Oregon Trail*.

GROUP V. POETRY

Tennyson: *The Coming of Arthur*, *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*.

WILLIAMS COLLEGE

Bringing the Good News from Ghent to Aix. Home Turpitudes from Around. Home Turpitudes from the Sea. Incidents of the French Camp. Hervé Rivé. Piençapades. My Last Duchess. Up at a Villa—Down in the City. The Italian in England. The Patriot. The Pied Piper. "De Grutbures—", Iustiane Tyranus. Serat: The Lady of the Lake.
Coleridge: The Ancient Mariner; and Arnold: Sairah and Ruthum.

B. BOOKS FOR STUDY

The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I. DRAMA

Shakespeare: *Macbeth*,
Hamlet.

GROUP II. POETRY

Milton: *L'Allegro, Il Penseroso, Comus*.

Book IV of Palgrave's *Golden Treasury (First Series)* with special attention to Wordsworth, Keats, and Shelley.

GROUP III. ORATORY

Burke: *Speech on Conciliation with America*.

Washington's *Farewell Address*, Webster's *First Bunker Hill Oration*, and Lincoln's *Gettysburg Address*.

GROUP IV. ESSAYS

Macaulay: *Life of Johnson*.

Carlyle: *Essay on Burns*, with a brief selection from Burns's *Poems*.

COMPREHENSIVE LIST

The following list is not intended to be in any sense prescriptive. Its purpose is rather to indicate, by examples, the kind of literature that secondary pupils should be taught to appreciate. Books of equal merit, covering a similar range of literary types, will be accepted as equivalents.

A fairly exhaustive list of books suitable for use in secondary schools will be included in the Report of the National Joint Committee on the Reorganization of High School English, to be published soon by the United States Commissioner of Education.

GROUP I. CLASSICS IN TRANSLATION

The *Old Testament*, comprising at least the chief narrative

episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther.

The *Odyssey*, with the omission, if desired, of Books I-V, XV, XVI, XVII.

The *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI.

The *Aeneid*.

The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.

GROUP II. DRAMA

Everyman.

Shakespeare: *Midsummer-Night's Dream*, *Merchant of Venice*,
As You Like It, *Twelfth Night*, *The Tempest*, *Romeo and Juliet*,
King John, *Richard II*, *Richard III*, *Henry V*,
Coriolanus, *Julius Cæsar*, *Macbeth*, *Hamlet*.

Goldsmith: *She Stoops to Conquer*.

Sheridan: *The Rivals*.

GROUP III. PROSE FICTION

Malory: *Morte d'Arthur*.

Bunyan: *Pilgrim's Progress*, Part I.

Swift: *Gulliver's Travels* (Voyages to Lilliput and to Brobdingnag).

Defoe: *Robinson Crusoe*, Part I.

Goldsmith: *Vicar of Wakefield*.

Frances Burney: *Evelina*.

Scott's Novels.

Jane Austen's Novels.

Maria Edgeworth: *Castle Rackrent*, *The Absentee*.

Dickens's Novels.

Thackeray's Novels.

George Eliot's Novels.

Mrs. Gaskell: *Cranford*.

Kingsley: *Westward Ho! Hereward the Wake*.

Reade: *The Cloister and the Hearth*, *Griffith Gaunt*.

Lytton: *Last Days of Pompeii*.

Blackmore: *Lorna Doone*.

Hughes: *Tom Brown's Schooldays*.

Stevenson: *Treasure Island*, *Kidnapped*, *Master of Ballantrae*,
Dr. Jekyll and Mr. Hyde.

Kipling: *Kim*, *Captains Courageous*, *Jungle Books*.

Cooper's Novels.

Poe: *Selected Tales*.

WILLIAMS COLLEGE

Hawthorne: *The House of the Seven Gables, Twice Told Tales, Mosses from an Old Manse.*

Howells: *The Rise of Silas Lapham, A Boy's Town.*

Wister: *The Virginian.*

Cable: *Old Creole Days.*

Short stories by various standard writers, as Bret Harte, Aldrich, Page, Hale, and Barrie.

GROUP IV. ESSAYS, BIOGRAPHY, ORATORY, ETC.

Addison and Steele: *The Sir Roger de Coverley Papers, Selections from the Tatler and Spectator.*

Boswell: Selections from the *Life of Johnson.*

Franklin: *Autobiography.*

Washington: *Farewell Address.*

Burke: *Speech on Conciliation with America.*

Irving: *Life of Goldsmith.*

Southey: *Life of Nelson.*

Lamb: *Essays of Elia.*

Lockhart: *Life of Scott.*

Thackeray: Lectures on *Swift, Addison, and Steele in the English Humorists.*

Macaulay: *Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay, Life of Johnson; Two Speeches on Copyright; History of England, Chapter III.*

Trevelyan: Selections from the *Life of Macaulay.*

Carlyle: *Essay on Burns.*

Ruskin: *Sesame and Lilies, Selections.*

Dana: *Two Years before the Mast.*

Webster: *First Bunker Hill Oration.*

Lincoln: Selections, including at least the Speech at Cooper Union, the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley; together with a brief memoir or estimate of Lincoln.

Parkman: *The Oregon Trail.*

Emerson: *Manners, Self-Reliance.*

Thoreau: *Walden.*

Lowell: *Selected Essays.*

Holmes: *The Autocrat of the Breakfast Table.*

Burroughs: *Selected Essays.*

Warner: *In the Wilderness.*

Curtis: *Prue and I, Public Duty of Educated Men.*

Stevenson: *An Inland Voyage and Travels with a Donkey.*

Huxley: *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*.

Hudson: *Idle Days in Patagonia*.

Clemens: *Life on the Mississippi*.

Riis: *The Making of an American*.

Bryce: *The Hindrances to Good Citizenship*.

A collection of Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers.

A collection of Letters by various standard writers.

GROUP V. POETRY

Palgrave's *Golden Treasury (First Series)*: Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns.

Palgrave's *Golden Treasury (First Series)*, Book IV, with special attention to Wordsworth, Keats, and Shelley.

Milton: *L'Allegro*, *Il Penseroso*, *Comus*, *Lycidas*.

Pope: *The Rape of the Lock*.

Goldsmith: *The Traveler* and *The Deserted Village*.

A collection of English and Scottish Ballads, as, for example, some *Robin Hood* ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick and Grahame*, *Sir Patrick Spens*, and a selection from later ballads.

Coleridge: *The Ancient Mariner*, *Christabel*, and *Kubla Khan*.

Byron: *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*.

Scott: *The Lady of the Lake*, *Marmion*.

Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*.

Tennyson: *The Princess*, *The Coming of Arthur*, *The Holy Grail*, *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*.

Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus*—", *Instans Tyrannus*.

Arnold: *Sohrab and Rustum*, *The Forsaken Merman*, *Balder Dead*.

Selections from American Poetry, with special attention to Bryant, Poe, Lowell, Longfellow, Whittier, and Holmes.

For the classes entering in 1920, 1921, and 1922 the requirements are those adopted by the National Conference in 1916.

In June candidates may take either the English 1 and 2 papers or the Comprehensive English as offered by the College Entrance Examination Board; at the Williams College examinations in September, however, only English 1 and 2 will be offered. (See p. 52.)

FRENCH

A THE ELEMENTARY REQUIREMENT

The Aim of the Instruction. At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar as defined below.

The Work to be done. During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the form and the principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and the use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's *Le roi des montagnes*, Bruno's *Le tour de la France*, Daudet's easier short tales, La Bédollière's *La Mère Michel et son chat*, Erckmann-Chatrian's stories, Foa's *Contes biographiques* and *Le petit Robinson de Paris*, Foncin's *Le pays de France*, Labiche and Martin's *La poudre aux yeux* and *Le voyage de M. Perrichon*, Legouvé and Labiche's *La cigale chez les fourmis*, Malot's *Sans famille*, Mairet's *La tâche du petit Pierre*, Mérimée's *Colomba*, extracts from Michelet, Sarcey's *Le siège de Paris*, and Verne's stories. See footnote, p. 51.

B THE INTERMEDIATE REQUIREMENT

The Aim of the Instruction. At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The Work to be done. This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts, or reproductions from memory, of selected portions of the matter read; the study of a grammar of moderate completeness; and writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's *Le gendre de M. Poirier*. Béranger's poems, Corneille's *Le Cid* and *Horace*, Coppée's poems, Daudet's *La Belle Nivernaise*, La Brète's *Mon oncle et mon curé*, Madame de Sévigné's letters, Hugo's *Hernani* and *La Chute*, Labiche's plays, Loti's *Pêcheur d'Islande*, Mignet's historical writings, Molière's *L'avare* and *Le bourgeois gentilhomme*, Racine's *Athalie*, *Andromaque*, and *Esther*, George Sand's plays and stories, Sandeau's *Mademoiselle de la Seiglière*, Scribe's plays, Thierry's *Récits des temps mérovingiens*, Thiers's *L'expédition de Bonaparte en Egypte*, Vigny's *La canne de jonc*, and Voltaire's historical writings.

SPANISH

A THE ELEMENTARY REQUIREMENT

The Aim of the Instruction. The primary purposes of the elementary course are to teach (a) accurate pronunciation of Spanish (as spoken both in Spain and in Spanish-America); (b) the understanding of spoken Spanish; (c) the translation of simple, idiomatic English phrases and sentences into their equiva-

lent simple, idiomatic Spanish; (d) the expression in spoken Spanish of ideas about the usual experiences of life and also about the content of the texts used in the class.

The work to be done. During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs with special attention to the radical changes, the distinction in use of *ser* and *estar*, of *saber* and *conocer*; the gender and plural of nouns, the agreement of adjectives, irregular comparison; the position of pronouns and adverbs, the use of prepositions and conjunctions; word-order and syntax; (3) abundant easy exercises, designed not only to fix in the memory the form and the principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 200 pages of graduated texts, with constant practice in translating into Spanish easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing Spanish from dictation.

Suitable texts for the first year are: a carefully graded reader for beginners; Valera's *El Pájaro verde*; Perez Esrich's *Fortuna*; Altamirano's *La navidad en las montañas*; some good collection of *cuentos*.

During the second year the work should comprise: (1) the reading of some 300 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into Spanish easy variations from the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing Spanish from dictation; (5) continued drill on the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and the use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: Alarcón's *El Capitán Veneno*; *El Sombrero de Tres Picos*; Valdés's *La Hermana San Sulpicio*; Selgas's *La Mariposa Blanca*; Moratín's *El St de las Niñas*; Isla's version, abridged, of the *Gil Blas*, plays of *Benavente*; one of the various readers on the South American countries.

B THE INTERMEDIATE REQUIREMENT

The Aim of the Instruction. The intermediate course should be a continuation of the elementary work, with certain added features, such as (a) conversation and, in general, much expression in spoken Spanish of connected ideas; and (b) the translation of connected English prose into Spanish.

The Work to be done. This should comprise the reading of some 500 pages of Spanish of ordinary difficulty, a portion to be in the dramatic form; constant practice in conversation, including the giving of Spanish paraphrases, abstracts, or reproductions from memory, of selected portions of the matter read; the study of a grammar of moderate completeness; the use of a composition book; and writing from dictation.

Suitable texts are: Galdós's *Doña Perfecta*; *Marianela*; Valera's *Pepita Jiménez*; *El Comendador Mendoza*; Ibañez's *La Barraca*; Valdés's *José*; *La Alagría del Capitán Ribot*; Caballero's *Un Servilón y un Liberalito*; *La Familia de Alameda*; Pereda's *Pedro Sánchez*; Calderón's *El Alcalde de Zalamea*.

GERMAN**A THE ELEMENTARY REQUIREMENT**

The Aim of the Instruction. At the end of the elementary course in German the pupil should be able to read at sight, and to translate, if called upon, by way of proving ability to read, a passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English sentences taken from the language of everyday life or based upon the text given for translation, and to answer questions upon the rudiments of grammar, as defined below.

The Work to be done. During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences

selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen's *Märchen* and *Bilderbuch ohne Bilder*, Arnold's *Fritz auf Ferien*; Baumbach's *Die Nonna* and *Der Schwiegersonn*; Gerstäcker's *Germelshausen*; Heyse's *L'Arrabbiata*, *Das Mädchen von Treppi*, and *Anfang und Ende*; Hillern's *Höher als die Kirche*; Jensen's *Die Braune Erica*; Leander's *Träumereien* and *Kleine Geschichten*; Seidel's *Märchen*; Stökl's *Unter dem Christbaum*; Storm's *Immensee* and *Geschichten aus der Tonne*; and Zschokke's *Der zerbrochene Krug*.

Good plays adapted to the elementary course are much harder to find than good stories. Five-act plays are too long. They require more time than it is advisable to devote to any one text. Among shorter plays the best available are perhaps Benedix's *Der Prozess*, *Der Weiberfeind*, and *Günstige Vorzeichen*; Elz's *Er ist nicht eifersüchtig*; Wichert's *An der Majorsecke*; and Wilhelm's *Einer muss heiraten*. It is recommended, however, that not more than one of these plays be read. The narrative style should predominate. A good selection of reading matter for the second year would be Anderson's *Märchen*, or *Bilderbuch*, or Leander's *Träumereien*, to the extent of, say, forty pages; after that such a story as *Das kalte Herz*; or *Der zerbrochene Krug*; then, *Höher als die Kirche*, or *Immensee*; next, a good story by Heyse, Baumbach, or Seidel; and lastly, *Der Prozess*. See footnote, p. 51.

B THE INTERMEDIATE REQUIREMENT

The Aim of the Instruction. At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased

from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied.

The Work to be done. The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory, of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

The intermediate course is supposed to be the elementary course, plus one year's work at the rate of not less than four recitations a week. Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein*, Freytag's *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*—for example, *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen*; Fouque's *Undine*; Gerstäcker's *Irrfahrten*; Goethe's *Hermann und Dorothea* and *Iphigenie*; Heine's poems and *Reisebilder*; Hoffmann's *Historische Erzählungen*; Lessing's *Minna von Barnhelm*; Meyer's *Gustav Adolfs Page*; Moser's *Der Bibliothekar*, Riehl's *Novellen*—for example, *Burg Neideck*, *Der Fluch der Schönheit*, *Der Stumme Ratsherr*, *Das Spielmannskind*; Rosegger's *Waldheimat*; Schiller's *Der Neffe als Onkel*, *Der Geisterseher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen*; Scheffel's *Der Trompeter von Säckingen*; Uhland's poems; and Wildenbruch's *Das edle Blut*.

GREEK

- A 1 *Greek Grammar*.
- 2 *Greek Composition*. Translation into Greek of sentences based upon Xenophon's *Anabasis*, Books I and II.
- B Xenophon, *Anabasis*, Books I-IV.
- C Homer, *Iliad*, Books I-III (omitting II, 494-end), and the Homeric constructions, forms, and prosody.
- G *Translation at Sight*. Prose of no greater difficulty than Xenophon's *Anabasis*.

HISTORY

- A Ancient History comprising Greek History to the death of Alexander, and Roman to the death of Constantine. Oman's, Botsford's, and Myers's Histories of Greece, and Botsford's and Myers's Histories of Rome are recommended. The related geography is included, and collateral reading should also form a part of the work.

Ancient History, as defined by the College Entrance Examination Board, extending to 814 A. D., will be accepted as an equivalent.

- B Mediæval and Modern History, from the death of Charlemagne to the present time. As text-books West's *Modern History* and Harding's *Essentials of Mediæval and Modern History* are recommended. Collateral reading and historical geography should form a part of the work in this subject.

The requirement for History B, as outlined by the College Entrance Examination Board, will be accepted.

- C English History, as defined by the College Entrance Examination Board. Walker's *Essentials in English History*, Cheyney's *Short History of England*, and Andrews's *History of England* are recommended.

- D American History, as defined by the College Entrance Examination Board. Hart's *Essentials in American History*, Adams and Trent's *History of the United States*, Channing's *Students' History of the United States*, and McLaughlin's *History of the American Nation* are recommended.

LATIN

The following requirements in Latin are in accordance with the recommendations made by the Commission on College Entrance Requirements in Latin, October, 1909.

I AMOUNT AND RANGE OF THE READING REQUIRED

(1) The Latin reading, without regard to the prescription of particular authors and works, shall be not less in amount than Cæsar, *Gallie War*, I-IV; Cicero, the orations against Catiline, for Archias, and for Marcellus; Vergil, *Aeneid*, I-VI.

(2) The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (*Gallie War* and *Civil War*) and Nepos (*Lives*); Cicero (orations, letters, and *De Senectute*) and Sallust (*Catiline* and *Jugurthine War*); Vergil (*Bucolics*, *Georgics*, and *Aeneid*) and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*).

II SCOPE OF THE EXAMINATIONS

(1) *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. In vocabulary, constructions, and range of ideas, the passages set will be suited to the preparation secured by the reading indicated above.

(2) *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading:

In 1920, 1921, and 1922. Cicero, the third oration against Catiline and the orations for Archias and Marcellus; Vergil, *Aeneid*, II, III, and VI.

In 1923, 1924, and 1925. Cicero, the fourth oration against Catiline and the oration for the Manilian Law; Vergil, *Aeneid*, I and IV; Ovid, *Metamorphoses*, Book III, 1-137 (Cadmus); IV, 55-166 (Pyramus and Thisbe), and 663-764 (Perseus and Andromeda); VI, 165-312 (Niobe); VIII, 183-235 (Dædalus and Icarus); X, 1-77 (Orpheus and Eurydice); XI, 85-145 (Midas).

Accompanying the different passages will be questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

(3) *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

SUBJECTS FOR EXAMINATION

- 1 GRAMMAR. The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).
- 2 ELEMENTARY COMPOSITION. The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).
- 4 CICERO (the third oration against Catiline and the orations for Archias and Marcellus) and SIGHT TRANSLATION OF PROSE.
- 5 VERGIL (*Aeneid*, II, III, and VI) and SIGHT TRANSLATION OF POETRY.

MATHEMATICS

A ELEMENTARY ALGEBRA; ALGEBRA TO QUADRATICS AND BEYOND.**A1** ALGEBRA TO QUADRATICS.

The four fundamental operations for rational algebraic expressions.

Factoring, determination of highest common factor and lowest common multiple by factoring.

Fractions, including complex fractions, and ratio and proportion.

Linear equations, both numerical and literal, containing one or more unknown quantities.

Problems depending on linear equations.

Radicals, including the extraction of the square root of polynomials and of numbers.

Exponents, including the fractional and the negative.

A2 QUADRATICS AND BEYOND.

Quadratic equations, both numerical and literal.

Simple cases of equations with one or more unknown quantities that can be solved by the methods of linear or quadratic equations.

Problems depending on quadratic equations.

The binomial theorem for positive integral exponents.

The formulas for the n th term and the sum of the terms of arithmetical and geometrical progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

B ADVANCED ALGEBRA.

Permutations and combinations, limited to simple cases.

Complex numbers, with graphical representations of sums and differences.

Determinants, chiefly of the second, third, and fourth orders, including the use of minors and the solution of linear equations.

Numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes's rule of signs and Horner's method, but not Sturm's functions or multiple roots.

C PLANE GEOMETRY.

The usual theorems and constructions of good text-books,*

* The examination questions in Plane Geometry and Solid Geometry will be limited to propo-

including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle.

The solution of numerous original exercises, including loci problems.

Applications to the mensuration of lines and plane surfaces.

D SOLID GEOMETRY.

The usual theorems and constructions of good text-books including the relations of planes and lines in space; the properties and measurement of prisms, cylinders, and cones; the sphere and the spherical triangle.

The solution of numerous original exercises, including loci problems.

Applications to the mensuration of surfaces and solids.

F PLANE TRIGONOMETRY.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles.

Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas.

Solution of trigonometric equations of a simple character.

Theory and use of logarithms (without the introduction of work involving infinite series).

The solution of right and oblique triangles and practical applications.

Mathematics *B*, *D*, and *F* above together comprise approximately the college course, *Mathematics 1-2*.

PHYSICS

A course of study dealing with the elementary facts and principles of physics and with the applications of physical laws to the experiences of everyday life. The course of instruction should include:

- i. The study of a standard text-book, or equivalent work by

sitions contained in the syllabus issued by the National Committee of Fifteen appointed by the American Federation of Teachers of the Mathematical and Natural Sciences and the National Education Association. The Report of the Committee may be obtained gratis upon application to the Commissioner of Education, Department of the Interior, Washington, D. C.

lectures; this study should be illustrated by qualitative lecture-room experiments and should be accompanied by practice in the solution of numerical problems.

ii. Individual quantitative laboratory work by the pupil, consisting of at least 30 experiments well distributed through the various divisions of the subject, and similar in character to those found in the list suggested by the College Entrance Examination Board. This work should require at least 30 double periods of the school program.

It is expected that the course will occupy in lectures, recitations, and laboratory work, at least five hours per week for an entire year.

ASSIGNMENT OF UNITS

In the terms of the scale of values adopted by the National Conference Committee on Standards of Colleges and Secondary Schools, where the unit represents one year's work in a secondary school, with four or five periods per week, the admission subjects listed above have weights assigned as follows:

Biology	1 unit
Botany	1 "
Chemistry	1 "
English 1	1½ units
English 2	1½ "
French A	2 "
French B	1 unit
German A	2 units
German B	1 unit
Greek A	1 "
Greek B	1 "
Greek C	1 "
History A	1 "
History B	1 "
History C	1 "
History D	1 "
History E	1 "
Latin 1	1 "
Latin 2	1 "
Latin 4	1 "
Latin 5	1 "
Mathematics A1	1 "

*Mathematics A2	1 unit
Mathematics B	$\frac{1}{2}$ "
Mathematics C	1 "
Mathematics D	$\frac{1}{2}$ "
Mathematics F	$\frac{1}{2}$ "
Physics	1 "
Spanish A	2 units
Spanish B	1 unit
Zoölogy	1 "

ARRANGEMENT OF EXAMINATIONS FOR ADMISSION

Examinations for admission are held twice each year, in June and in September.

In June the admission examinations of the college are those of the College Entrance Examination Board, of which Williams College is a member. An application for the privilege of taking these examinations must be made to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y., from whom all necessary information regarding the June examinations can be obtained. These examinations are held annually in June in Williamstown, and at many other places throughout the country.

COLLEGE ENTRANCE EXAMINATION BOARD

Examinations, June 21-26, 1920

In June, 1920, there will be separate blank forms for the "application for examination" and "certificate of recommendation." The former should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York, N. Y., the latter to the Chairman of the Committee on Admissions of Williams College. Both forms may be obtained from the Secretary of the College Entrance Examination Board upon request by mail.

Provided that the application reach the College Entrance Examination Board not later than the date specified below, the examination fee will be \$6.00 if the candidate is to be examined in the United States or Canada, \$20.00 if the candidate is to be examined outside of the United States or Canada. The fee should be transmitted by postal order, express order, or draft on New York, should accompany the application, and should be payable to the College Entrance Examination Board.

* Mathematics A2 has a value of $\frac{1}{2}$ unit if studied only one-half year and offered by certificate.

Applications and fees of candidates who wish to be examined outside of the United States or Canada must reach the Secretary of the Board at least six weeks in advance of the examinations, that is, on or before May 10, 1920.

Applications and fees of candidates who wish to be examined at points in the United States west of the Mississippi River or in Canada must be received at least four weeks in advance of the examinations, that is, on or before May 24, 1920.

Applications and fees of candidates who wish to be examined at points in the United States east of or on the Mississippi River must be received at least three weeks in advance of the examinations, that is, on or before May 31, 1920.

When the candidate has failed to obtain the required blank form of application for examination, the usual examination fee will be accepted if the fee arrive not later than the specified date accompanied by a memorandum containing the name and address of the candidate, the examination center at which he wishes to present himself, and a list of all subjects in which he may have occasion to take the Board's examinations.

Applications received later than the dates named will be accepted only upon payment of \$6.00 in addition to the usual fee.

A list of the places at which the examinations are to be held by the Board in June, 1920, will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

The marks given by the Board to the papers submitted will be accepted by the College on the same terms as the results of the examinations conducted by the College in September. Candidates for admission to Williams College should forward the results of their examinations, as soon as they are received from the Board, to the Chairman of the Committee on Admissions, Williams College, Williamstown, Mass.

The custom of sending examination papers from the College in June to preparatory schools for the use of candidates desiring to take the Williams College examinations there is not employed.

In September the admission examinations are given only by the College and do not include the subjects, Biology, Botany, Chemistry, History *E*, Physics, and Zoölogy. They will be held for the next college year in rooms 11 and 15, Hopkins Hall, and in room 5, Griffin Hall on the Friday, Saturday, Monday, Tuesday, and Wednesday before the beginning of the first semester, September 10-15, 1920, as follows:

FRIDAY, SEPT. 10

8 A. M.—*French *A*
2 P. M.—*German *A*
 *Spanish *A*

SATURDAY, SEPT. 11

8 A. M.—†French *B*
2 P. M.—†German *B*
 †Spanish *B*

MONDAY, SEPT. 13

8 A. M.—English *1*
10 A. M.—English *2*
2 P. M.—Greek *A, B, C, and G*
 Mathematics *B, D, and F*

TUESDAY, SEPT. 14

8 A. M.—Latin *4 and 5*
2 P. M.—Mathematics *A and C*

WEDNESDAY, SEPT. 15

8 A. M.—History *A, B, C, and D*
2 P. M.—Latin *1 and 2*

Examinations in Biology, Botany. Chemistry, History *E*, Physics, and Zoölogy are offered in June only.

It is desired that candidates for admission to Williams College by examination take only the examinations offered by the College Entrance Examination Board in June and by the College in September. Official statements showing that candidates have passed admission examinations at another college or university may be accepted in case the candidate decides to transfer his application for admission from such other college or university to Williams College. But the examinations of the September in which the candidate seeks admission may not be taken elsewhere than at Williams College.

The passing mark, for both preliminary and final admission

* The examination at the college in September includes an oral test in pronunciation.

† Candidates for admission are required to gain credit in French *A*, German *A*, or Spanish *A* before trying French *B*, German *B*, or Spanish *B* respectively in September.—See footnote, pp. 28, 29.

credit, is fifty in all admission subjects, a mark of seventy-five being necessary, however, in any subject offered for college credit. (See p. 55.)

COMPREHENSIVE EXAMINATIONS

The comprehensive examinations given in June by the College Entrance Examination Board will be accepted for what they cover in Chemistry, English, French, German, Greek, Latin, Mathematics, Physics, and Spanish. No comprehensive examinations are offered by the College in September.

PRELIMINARY ADMISSION EXAMINATIONS

Preliminary examinations in any of the requirements for admission may be taken a year or more in advance; but, in accordance with the rules of the College Entrance Examination Board, the candidates for such examinations in June should submit in advance, from the principals of their schools, certificates specifying that their teachers consider them prepared in the subjects selected; *while candidates for preliminary examination in September must submit such certificates of preparation and also satisfactory evidence that they have made a thorough review during the summer.* Blank forms for use in submitting evidence of fitness for preliminary examinations in September may be obtained from the Registrar. Such a form, properly filled out, should be submitted by every preliminary candidate not later than one week before the beginning of the September examinations.

The examination will in all cases cover the whole of each subject offered by the candidate; for example, Greek *B*, Latin *4*, or Mathematics *C* may not be divided between the preliminary and the final examinations.

In order to prevent interruption to studies that may be continued in college, candidates are advised to reserve the following subjects for the final examinations: English *2*, Greek *C*, Latin *4* or *5*, and Mathematics *A2* or *C* (or Mathematics *B*, *D*, and *F*, if the admission group is IV or V).

The times and places of the preliminary examinations, as well

as the questions submitted and the mark required for passing, are the same as for the regular final examinations.

ADMISSION BY CERTIFICATE

Under certain conditions specified below, certificates made out on prescribed forms and signed and submitted by the principals of approved preparatory schools are accepted in place of examinations in the various admission subjects. Certificates will, however, not be accepted for French *A* or *B*, German *A* or *B*, Spanish *A* or *B*, or Mathematics *B*, *D*, or *F*, *when offered for college credit*, or for the anticipation of any course of study offered in college.

The certificates of the schools approved by the New England College Entrance Certificate Board are accepted, in accordance with the regulations of the college and subject to the rules of the Board, for admission to Williams College. Certificates are not accepted from any schools in New England which lack the approval of that Board. Principals of schools in New England who desire the certificate privilege should address the Secretary of the Board, Dean Frank W. Nicholson, M.A., Wesleyan University, Middletown, Conn. Applications must be received by the Secretary before April 1st in order to be regularly approved for the next college year.

Application for the certificate privilege, or for renewal of the privilege, for schools outside New England should be made by the principal on a blank provided for the purpose by the Registrar.

These applications will ordinarily be granted if the school has at least one candidate already nearly prepared for admission to Williams College, and if the Faculty of the college has such information concerning the work of the school as seems to it to warrant. In general, a school that has recently sent to the college by examination properly trained students is considered entitled, on application, to receive the certificate privilege and to retain it as long as there is no radical change in the efficiency of the school; but any school will be dropped from the approved list whenever, for a period of five years, it has sent no students to the college. A school thus dropped may apply for renewal

of the privilege whenever it has a candidate nearly ready for admission.

The certificate privilege is not granted to private tutors, and it is not to be used for any work done with private tutors, but only for work done regularly in the school whose principal signs the certificate.

The certificate privilege is revocable in all cases where, in the opinion of the Faculty of the college, it is not properly used.

Certificates must be made out on blank forms furnished by the Registrar, and in accordance with the instructions contained therein.

The certificate method of admission is intended for use only in connection with students whose scholarship has been of good order in school, and it is therefore expected that the certificate will include at least two-thirds of the total number of units represented by the subjects in the admission group in which the candidate proposes to enter. To coöperate with those schools which require a higher grade of work for certification than for graduation the College will, however, accord credit for any reasonable number of subjects in which, in the opinion of the principal, certification grade has been attained by the candidate.

A student who has failed to pass the admission examinations in September at this or any other college will not be admitted by certificate unless he has had, since such failure, at least a year of study in the school issuing the certificate.

Freshmen who have entered by certificate and have subsequently been dismissed for failure to matriculate may re-enter with the next class on such terms as the Committee on Admissions may prescribe.

When a year or more has passed between the completion of the work for which the certificate vouches and the time of admission to college, satisfactory evidence that the candidate has kept up his studies in the interval is required.

Certificates must be signed by the principal of the school (or some officer duly qualified to act in his stead) who by his signature assumes responsibility for the candidate's preparation in the sub-

jects certified to. All certificates are to be sent to the Registrar, and they should be submitted as soon as possible after the completion of the school year in June.

Copies of the prescribed form will be sent to the principal of any approved school on request, but they are not sent to other persons.

The diplomas "with credit,"—and marks as high as seventy-five per cent in individual subjects,—gained at the examinations of the Board of Regents of the State of New York, are accepted for what they cover in all admission subjects prescribed by Williams College.

ANTICIPATION OF COLLEGE COURSES

I *Subjects in the Admission Groups*

Any college course included among the admission subjects listed on pages 28 and 29 of this catalogue, if offered in addition to the subjects required in the student's chosen admission group, may be counted as contributing toward the degree provided that it is passed with a mark as high as 75 at the admission examinations of the College Entrance Examination Board in June or of Williams College in September.

The college courses which may be anticipated thus by passing the corresponding admission examinations of the College Entrance Examination Board in June or at the college in September are the following:—*French 1-2, French 3-4, German 1-2, German 3-4, Mathematics 1-2, Spanish 1-2, and Spanish 3-4.* (See page 30 for table of equivalents.)

II *Subjects not in the Admission Groups*

Any student may be allowed, by special vote of the Faculty, to anticipate by examination a course of study not included among those mentioned in the above paragraph, if he gives evidence of having had satisfactory instruction in the subject in some school or college. In such anticipatory examinations, a grade as high as B is required.

GRADUATION IN THREE YEARS

A student who is able to anticipate at admission, in accordance with the above rules, at least two college courses, may, by taking the requisite number of extra courses, complete the requirements for graduation in three years; but the Faculty will decline to permit a student to undertake this unless his general scholarship is of high order.

ADMISSION TO ADVANCED STANDING

Students who come from other colleges and who bring certificates of honorable dismissal may, on proof of their qualifications, be admitted to a corresponding standing in this college.

All correspondence in matters of admission to college should be addressed to the Chairman of the Committee on Admissions.

CURRICULUM

GENERAL DESCRIPTION

The curriculum of Williams College provides, in the first place, for a distribution of the student's work among the three Divisions of

- I Foreign Languages
- II English, History, Government, Economics, Philosophy
- III Sciences

and, in the second place, for the concentration of part of the student's work in one well-defined field. Distribution of work is secured in Freshman year by a system partly of required, partly of optional courses; in subsequent years by the requirement that in Sophomore year at least one course shall be elected from each Division; and that after Sophomore year at least one additional year-course shall be taken in each Division. Concentration of work is secured by organizing the courses of the last three years in eleven Major Groups. A Major Group consists, in general, of an introductory course in Sophomore year, three prescribed courses in Junior year, and two advanced year-courses (or their equivalent in semester-courses) in Senior year. The rest of the student's work is elective, subject to the requirement that in Sophomore year he shall take at least one course in each Division, and, after Sophomore year, at least one year-course from each of the two Divisions in which his Major Group is not placed.

Any student of very high scholarship may, with the written approval of the professors concerned, petition the Faculty for greater freedom of election of courses in the Junior and Senior years than is afforded by the arrangement of the curriculum.

Such petitions will be referred to the Advisory Committee for consideration and report to the Faculty, and will be decided with a view to the establishment in due time of a system of honors courses.

The Exhibit of Divisions and Major Groups is given on pages 63-65. All elections are subject to the prerequisites published on pages 66-99.

FRESHMAN YEAR

In the Freshman year a student must continue Latin or Greek and must elect four courses, three from certain prescribed options and one from any courses open to Freshmen for which he has the proper prerequisites.

SOPHOMORE YEAR

The student must take five courses, at least one in each Division, from those open to Sophomores. One of these shall serve as the introductory course of the Major Group which is to be selected at the end of the Sophomore year.

JUNIOR YEAR

Each student must take the three courses of the Major Group that he has selected. He must also elect two other courses. In either the Junior year or the Senior year, at least one year-course, or its equivalent in semester-courses, must be taken in each of the two Divisions other than that in which the Major Group is placed.

SENIOR YEAR

Each student must complete his Major Group* by taking two year-courses, or their equivalent in semester-courses, from those comprised in the Group. He must also elect at least two other year-courses, or their equivalent, completing, if he has not already done so, the requirement of one year-course, or its equivalent,

* A student majoring in a modern language must have completed, before graduation, the course numbered 9-10 in that language.

after Sophomore year in each of the two Divisions other than that in which the Major Group is placed.

GRADES

The grade system of marking used is defined as follows:

There shall be five grades, indicated thus: A, "excellent"; B, "good"; C, "fair"; D, "passable"; E, "failure."

The interpretation of the several grade names, "excellent," "good," "failure," etc., rests wholly with the judgment of the individual instructor.

COMPLETION OF COURSES

A course will be considered satisfactorily completed for any semester when the student has obtained a grade as high as D based on both the daily work (which shall include all oral or written exercises prior to the semi-annual examination) and the semi-annual examination. A student failing to obtain a grade as high as D must, if the course is required, repeat it the following year, or in case of French 1-2, French 3-4, German 1-2, German 3-4, Mathematics 1-2, Spanish 1-2, or Spanish 3-4, pass the corresponding admission examinations in June or September with a grade as high as D.

GRADUATION

The number of year-courses,* or their equivalent in semester courses, required for graduation is 20; but every student, in order to be graduated, must have attained a grade above D in at least one-half the number of year-courses, or their equivalent in semester courses, taken by or credited to him in college; and all courses regularly taken in the Senior year must be passed, even though they may not be necessary for completing the number of courses indicated above.

BACHELOR OF ARTS

The degree of Bachelor of Arts is conferred by vote of the Trustees at the annual commencement upon students who have

* A year-course is a course occupying 3 hours each week throughout the year.

completed the requirements as to courses, hours, and grades to the satisfaction of the Faculty (see pp. 58-59), have paid to the Treasurer all college dues and other college charges, and have returned all books belonging to the library; but the degree may be forfeited by misconduct at any time previous to the close of the commencement exercises.

GROUPS OF HOURS

ARRANGED ACCORDING TO TIME:

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
8:00	D	G	D	A	G	A
9:00	E	H	E	B	H	B
10:00	F	I	F	C	I	C
11:00	J	M	J	K	L	K
1:00	K	A	G	J	D	
2:00	L	B	H	L	E	
3:00	M	C	I	M	F	

ARRANGED ACCORDING TO LETTERS:

Group A	Th., Sat., 8:00-9:00; Tu., 1:00-2:00
Group B	Th., Sat., 9:00-10:00; Tu., 2:00-3:00
Group C	Th., Sat., 10:00-11:00; Tu., 3:00-4:00
Group D	M., W., 8:00-9:00; F., 1:00-2:00
Group E	M., W., 9:00-10:00; F., 2:00-3:00
Group F	M., W., 10:00-11:00; F., 3:00-4:00
Group G	Tu., F., 8:00-9:00; W., 1:00-2:00
Group H	Tu., F., 9:00-10:00; W., 2:00-3:00
Group I	Tu., F., 10:00-11:00; W., 3:00-4:00
Group J	M., W., 11:00-12:00; Th., 1:00-2:00
Group K	Th., Sat., 11:00-12:00; M., 1:00-2:00
Group L	F., 11:00-12:00; M., Th., 2:00-3:00
Group M	Tu., 11:00-12:00; M., Th., 3:00-4:00

NOTE:—Between the Thanksgiving recess and the Spring recess, the exercises will be held regularly one-half hour later than the above schedule indicates.

EXHIBIT OF FRESHMAN STUDIES

The following exhibit of studies indicates the courses of instruction that are open to Freshmen:

1
Latin 1-2
Greek 1-2

2
French 3-4
French 5-6
Spanish 3-4
Spanish 5-6
German 3-4
German 5-6

3
Rhetoric 1-2
American National
Problems 1-2

4
Mathematics 1-2
Mathematics 3-4
Physics 1-2

5
French 1-2
German 1-2
Greek 21-22
Spanish 1-2
Any one of the other
courses open to Freshmen

The student's field for choice in the languages and sciences is determined by the subjects offered by him for admission under one of the prescribed entrance groups. (See pages 28 and 29.)

In Freshman year the student is required to take five courses according to the following plan:

1. A required course in either Latin or Greek. Students offering Greek at entrance will take Greek 1-2; all others will take Latin 1-2.

2. A course continuing a modern language offered at entrance. The courses open to election under this requirement are French 3-4, French 5-6, German 3-4, German 5-6, Spanish 3-4, and Spanish 5-6. Students entering with Greek in place of a modern language are required, in case they offer no modern language at entrance, to elect a beginning language course.

3. Either Rhetoric 1-2* or American National Problems 1-2.
4. Either Mathematics 1-2 or Physics 1-2.
5. One of the courses already enumerated as open to Freshmen, or one of the following courses: French 1-2, German 1-2, Greek 21-22, and Spanish 1-2.†

In addition to the five courses referred to above, each Freshman will take the required courses in Hygiene, Physical Training, and Public Speaking.

* Students who do not elect Rhetoric 1-2 in Freshman year, and during that year are reported by instructors in two or more courses as deficient in command of English, are required to submit themselves to tests imposed by the Department of Rhetoric, and, if the results of these tests are unsatisfactory, to elect Rhetoric 1-2 in Sophomore year.

† Not more than one beginning language course may be taken in Freshman year.

EXHIBIT OF DIVISIONS AND GROUPS

Odd numbers refer to the first semester, even numbers to the second semester. Year-courses have their two semester numerals joined by a hyphen.

DIVISIONS	MAJOR GROUPS	FRESHMAN COURSES	SOPHOMORE COURSES	JUNIOR GROUPS	SENIOR ELECTIVES
I	GREEK	{ Greek*	Greek*	a. Greek* b. Latin 3-4 c. Greek 11- History 12	Greek* Latin 5-6 Latin 7 Latin 8
	LATIN	{ Latin 1-2	Latin 3-4	a. Latin 5-6 b. Greek* c. Greek 11- History 12	Latin 7 Latin 8 Greek*
	FRENCH	{ French*	French*	a. French* b. Italian 1-2 or Spanish* c. History 1-3 (History 3-6)	French* Italian 1-2 Italian 3-4 Spanish*
	GERMAN	{ German*	German*	a. German* b. Literature 9-10 c. History 1-2 (History 3-6)	German* German*
	SPECIAL SUBJECT	{ Spanish*	Spanish*	Spanish*

* The language courses of freshman year, with the exception of Latin, will be determined by the admission record of the student. The language courses after freshman year will follow in sequence. See announcements of the departments. A student majoring in a modern language must have completed, before graduation, the course numbered 9-10 in that language.

EXHIBIT OF DIVISIONS AND GROUPS—Continued

DIVISIONS	MAJOR GROUPS	FRESHMAN COURSES	SOPHOMORE COURSES	JUNIOR GROUPS	SENIOR ELECTIVES
II	ENGLISH	{ Rhetoric 1-2	Literature 1-2	a. Literature 3-4 b. Literature 5-6 c. Rhetoric 5-8	Literature 8 Literature 9-10 Literature 11 Literature 12 Literature 13 Rhetoric 7 Rhetoric 8
	HISTORY	{ Amer. Nat. Problems 1-2	History 1-2	a. History 3-4 b. Economics 1-2 c. Government 1-2	History 5-6 History 8 History 9 Greek 11- History 12 Economics 3 Economics 4 Economics 5
					Economics 7 Economics 8 Government 5 Government 6 Government 8
	PHILOSOPHY	{	Philosophy 1-2	a. Philosophy 3-4 b. Religion 1-2 c. Art 1-2†	Philosophy 5 Philosophy 6 Philosophy 7 Philosophy 8 Art 3
	SPECIAL SUBJECT	{ ORATORY	Literature 1-2	Oratory 1-2	Art 4 Religion 3 Religion 5 Religion 6

† History 1-2 is to be taken instead of Art 1-2 unless the former has already been completed.

EXHIBIT OF DIVISIONS AND GROUPS—Continued

DIVISIONS	MAJOR GROUPS	FRESHMAN COURSES	SOPHOMORE COURSES	JUNIOR GROUPS	SENIOR ELECTIVES
III	MATHEMATICS	Mathematics 1-2	Mathematics 3-4	a. Mathematics 5-6 b. Mathematics 7-8 c. Physics 1-2 (Physics 7-8 Physics 8)	Mathematics 9 Mathematics 10 Physics 3-4 Physics 5-6 Physics 7 Physics 8 Statistics 1-2
	PHYSICS	Physics 1-2	Physics 3-4	a. Physics 5-6 b. Mathematics 3-4 c. Chemistry 1-2	Physics 3-4 Chemistry 3-4 Chemistry 5 Chemistry 6 Chemistry 7 Chemistry 8 Chemistry 9 Chemistry 10
	CHEMISTRY		Chemistry 1-2	a. Chemistry 3-4 b. Physics 1-2 c. Geology 1-2	Physics 5-6 Physics 7 Physics 8 Geology 3 Geology 4
	BIOLOGY		Biology 1-2	a. Biology 3-4 b. Biology 5-6 c. Chemistry 1-2	Physics 5-6 Physics 7 Physics 8 Geology 3 Geology 4
	SPECIAL SUBJECTS } ASTRONOMY STATISTICS }	Physics 1-2 Mathematics 1-2	Physics 1-2 Mathematics 1-2	Astronomy 1-2 Statistics 1-2	Physiology 1 Physiology 2 Geology 1-2 Astronomy 5

COURSES OF INSTRUCTION

DIVISION I

GREEK

Professor HOWES, Professor DICKERMAN, Assistant Professor CLARK, Assistant Professor GALBRAITH, and Mr. GEER.

* GREEK 1-2. *New Testament Greek*. The gospel of *Mark* and parts of the other gospels.

Selections from Herodotus. Attention is given to a review of Greek forms and syntax, with reference to Goodwin's *Greek Grammar*.

Homer. The *Phæacian Episode of the Odyssey*. Some of the principal Homeric questions are discussed. The instructor gives to the class several readings from portions of the poem not prescribed for the daily work.

Required course for Freshmen in Admission Group I.

Three hours a week through the year.

Professor HOWES, Professor DICKERMAN, Assistant Professor GALBRAITH.

GREEK 3-4. *Plato, and Greek Drama*.

Greek 3. Plato. Plato's *Apology* and *Crito* and selections from other dialogues. There is some discussion of the earlier Greek philosophy and of the philosophy of Plato.

The first semester.

Professor DICKERMAN.

Greek 4. Greek Drama. *Aristophanes, Sophocles, and Euripides*.

The first part of the work in the drama is devoted to Greek comedy; the *Clouds* of Aristophanes and selections from the *Birds* and the *Frogs* are read. Later one or more plays of Euripides and the *Antigone* of Sophocles are read by the class, chiefly from the literary point of view. Attention is given to the influence of the Greek drama on later literature and to comparisons with the modern stage.

The second semester.

Assistant Professor GALBRAITH.

Sophomore elective course; prerequisite, *Greek 1-2*.

Three hours a week through the year.

* For convenience, the first semester of *Greek 1-2* may be called *Greek 1*, the second semester, *Greek 2*, etc. But in all such cases, the work of the two semesters together constitutes an integral, indivisible year-course.

GREEK 5-6. *Demosthenes, Homer, and Lyric Poetry.*

Greek 5. Demosthenes. It is planned to read most of the public orations of Demosthenes, including the *Philippics*, *On the Peace*, *On the Chersonese*, and most of the speech *On the Crown*.

The literary and historical aspects of the orations are studied with some care.
The first semester.

Assistant Professor GALBRAITH.

Greek 6. Homer and the Lyric Poets. Considerable portions of the *Iliad* are read, the aim being to gain an acquaintance with the poem as a whole. The development of Greek poetry up to the fifth century is traced in a study of the more important *lyric fragments*.

The second semester.

Professor DICKERMAN.

Junior elective course; prerequisite, *Greek 3-4*.

Three hours a week through the year.

GREEK 7. *Thucydides and Plato.* Parts of the history of Thucydides are read with a view to appreciating the personality of the author and the character of the Athenian state. This is followed by the study of parts of Plato's *Republic*.

Senior elective course; prerequisite, *Greek 5-6*.

Three hours a week during the first semester.

Professor DICKERMAN.

GREEK 8. *Aeschylus and Sophocles.* The *Prometheus* of Aeschylus and the *Oedipus Rex* of Sophocles are read.

Theocritus. The course ends with the reading of the best of the *Idyls* of Theocritus.

Senior elective course; prerequisite, *Greek 5-6*.

Three hours a week during the second semester.

Professor HOWES.

GREEK ARCHEOLOGY. To students in *Greek 7* and *Greek 8* there is offered an additional exercise weekly in the reading of Greek inscriptions and the study of Greek vase-painting, sculpture, coins, etc.

One hour a week through the year.

Professor DICKERMAN.

GREEK 9. *Greek Literature.* Some of the masterpieces of Greek literature are read, in translation, both in the classroom and as assigned reading. The instructor gives a brief account of the lives of the authors whose works are

read, and traces the origin and development of the various forms of literature. No knowledge of Greek is required.

Senior elective course; prerequisite, *Greek 3-4* or *Latin 5-6*.

Three hours a week during the first semester.

Professor HOWES.

[GREEK 10. *Life of the Ancient Greeks*. Described and illustrated by the aid of literature and of the monuments. Informal lectures are given by the instructor, while members of the course report regularly the results of reading and investigation assigned to them. No knowledge of Greek is required.

Senior elective course; prerequisite, *Greek 3-4* or *Latin 5-6*.

Three hours a week during the second semester.

Omitted in 1919-1920.

Professor HOWES.]

GREEK 11-HISTORY 12. *Greek 11* and *History 12* constitute a Senior year course. See *History 12*.

Greek 11. Greek History. The social, political, and military history of the Greek world, from the origins of the cities to the Roman conquest. Greek democracies, especially at Athens, Syracuse, and Tarentum; Alexander, and the Hellenistic kingdoms; the federal unions; and the republic of Rhodes. Attention is given to the social and political theory of the Greeks.

Reading, lectures, quizzes, and written work.

The required reading in this course is in English only, but consultation of the Greek sources is encouraged.

Special instruction is offered, if desired, to prospective teachers, or to any students wishing to attempt some original investigation, but the course aims primarily to trace for the general student the progress of Hellenic civilization, with emphasis upon its abiding influences on later times.

Senior elective course; prerequisite, *History 3-4*; or, for students majoring in Greek or Latin, *Greek 3-4* or *Latin 3-4*.

Three hours a week during the first semester.

Assistant Professor CLARK.

GREEK 21-22. *Elementary Greek*. An introductory course beginning with the elements of the language and leading up to the reading of simple prose.

Three hours a week through the year.

Mr. GEER.

GREEK 23-24. This course continues the work of the elementary course Greek 21-22. The study of the language will be carried on in connection with the reading of prose works and parts of the Homeric poems.

Prerequisite Greek 21-22.

Three hours a week through the year.

Professor DICKERMAN.

LATIN

*Professor WILD, Professor HOWES, Professor WETMORE, Professor DICKERMAN, Assistant Professor GALBRAITH, and Mr. GEER.

LATIN 1-2. *Selections from the Roman Historians.* The chief aim is to develop the preparatory training of the student into power to read Latin with appreciation. There is frequent practice in sight work. Assignments are given for collateral reading in the history of the Punic Wars.

Selections from Latin Poets. The work of the second semester is devoted entirely to selections from the Latin Poets.

Mackail's *Latin Literature* is used throughout the year.

Freshman required course.

Three hours a week through the year.

Professor HOWES, Professor WETMORE, Professor DICKERMAN, Assistant Professor GALBRAITH, and Mr. GEER.

LATIN 3-4. *Latin Comedy, Private Life of the Romans, Tacitus, and Horace.*

Latin 3. Latin Comedy. The primary aim in this part of the course is to trace the development of Latin Comedy, and to study its spirit as shown in the plays of Plautus and Terence. The *Captivi* and the *Trinummus* of Plautus, and the *Adelphoe* of Terence are read carefully, and other plays are read either at sight or as translated by the instructor.

Private Life of the Romans. Once in two weeks an exercise is devoted to the study of Roman life and customs, with illustrations by means of lantern slides and other material.

The first semester.

Professor HOWES and Professor WETMORE.

Latin 4. Tacitus and Horace. The reading work of the second semester is divided between the *Agricola* of Tacitus and the *Odes* of Horace. If possible, several of Horace's *Satires* are read during this part of the course.

In connection with the *Odes* of Horace some attention is paid to the English lyric, involving the preparation of careful translations from the Latin and a comparison of the better known English versions. The student is encouraged to commit to memory some of the famous passages from the *Odes*.

The second semester.

Assistant Professor GALBRAITH.

Sophomore elective course; prerequisite, *Latin 1-2*.

Three hours a week through the year.

* Absent on leave.

LATIN 5-6. *Vergil, Catullus, and Rapid Reading.*

Latin 5. Vergil. The object of this part of the course is to give the student a thorough knowledge and a high appreciation of the works of Vergil. Several of the *Eclogues* and selections from the *Georgics* are read. About two-thirds of the semester is devoted to reading the last six books of the *Aeneid*, partly by the entire class in regular assignments, and partly by individual assignments and reading at sight.

The first semester.

Professor WETMORE.

Latin 6. Catullus and Rapid Reading of Prose Authors. The greater part of Catullus is read. Passages from any source tending to throw light on the interpretation of the poet are read at sight.

The work of the second half of the semester consists of the rapid reading of the *Letters* of Cicero and of Pliny. The aim is to cultivate an appreciation of Latin literature and facility in grasping the thought immediately through the language.

The second semester.

Professor WETMORE.

Junior elective course; prerequisite, *Latin 3-4*.

Three hours a week through the year.

LATIN 7 and LATIN 8. It is the aim in these courses to give a general survey of Latin literature from the earliest period down to the third century. The plan involves (1) a reading of selected portions of the most important authors, especially those not included in the other courses, and (2) informal lectures upon the rise and development of the various forms of literature, with such notice of the authors and their works as shall help to assign them their place in literature.

Latin 7. A Brief Survey of Latin Literature from the Earliest Period to the End of the Augustan Period.

Senior elective course; prerequisite, *Latin 5-6*.

Three hours a week during the first semester.

Professor HOWES.

Latin 8. A Brief Survey of Latin Literature from the End of the Augustan Period to the Third Century.

Senior elective course; prerequisite, *Latin 5-6*.

Three hours during the second semester.

Professor HOWES.

LATIN COMPOSITION. To those who intend to become teachers of Latin there is open in connection with *Latin 7* and *Latin 8* an additional course of one hour a week in advanced Latin composition.

Professor HOWES.

For *Roman History*, see *History 12*.

ROMANCE LANGUAGES

Professor TAYLOR, Assistant Professor RICE,* Assistant Professor J. N. CRU, Mr. A. CRU, Dr. VILES, Dr. COLBURN, Mr. WHITMAN, and Mr. TORRES.

FRENCH

FRENCH 1-2. *Elementary French*. This course includes the study of grammar and composition, and the reading of modern French. The class is arranged in small divisions so that each student may receive individual attention and adequate training in pronunciation and the use of conversational French. Special attention is given to dictation.

Three hours a week through the year.

Professor TAYLOR and Mr. WHITMAN.

FRENCH 3-4. *Intermediate French*. This course continues all the work of *French 1-2*. Standard authors are read, and the use of the spoken language is increased.

Prerequisite, *French 1-2* or *Admission French A*.

Three hours a week through the year.

Assistant Professor J. N. CRU and Mr. A. CRU.

FRENCH 5-6. *Advanced French*. A rapid survey of the whole of French literature, using *Histoire illustrée de la Littérature Française* by Abry, Audic et Crouzet, Didier, Paris. Standard prose will be read. Throughout the year composition, dictation, and practice in spoken French. This course is open to those who have completed *French 3-4*, and is required of Freshmen entering in Admission Group II.

Prerequisite, *French 3-4* or *Admission French B*.

Three hours a week through the year.

Professor TAYLOR and Mr. WHITMAN.

* Absent on leave.

FRENCH 7-8. *The French Drama*. A study of the French Drama from its origins, with special emphasis upon the period from Corneille to the end of the XIXth century. The course includes reading, lectures, composition, and oral practice. The course is conducted in French.

Prerequisite, *French 5-6*.

Three hours a week through the year.

Mr. A. CRU.

FRENCH 9-10. *The French Novel*. A study of the French Novel in the nineteenth century preceded by a short survey of the early development of fiction and the history of its evolution during the seventeenth and eighteenth centuries. The course is conducted in French. Outside reading is assigned.

Prerequisite, *French 7-8*.

Three hours a week through the year.

Assistant Professor J. N. CRU.

[FRENCH 11-12. *French Literature* of the sixteenth and seventeenth centuries, preceded by a survey of the literature of the Middle Ages. Lectures, readings, and reports.

Prerequisite, *French 9-10*.

Three hours a week through the year.

Omitted in 1919-1920.]

FRENCH 13-14. *French Literature* of the eighteenth century. A study of the literature of France during the eighteenth century. Montesquieu, Voltaire, Diderot and the *Encyclopédie*, Rousseau and his followers, the inter-relations of English and French literatures during this period, the *Salons*, literature of the Revolution, etc., will furnish some of the material of the course. Lectures, readings, and reports. The course is conducted in French.

Prerequisite, *French 9-10*.

Three hours a week throughout the year.

Assistant Professor J. N. CRU.

ITALIAN

ITALIAN 1-2. *Elementary grammar and reading* of classical and modern Italian. This course includes a practical training in Italian grammar and composition, and the reading of standard works of literature.

Junior elective course; prerequisite, *French 3-4*.

Three hours a week through the year.

Dr. COLBURN.*

ITALIAN 3-4. This course continues the work of *Italian 1-2*. Different

* Assisted in 1919-1920 by Professor Ass H. Morton.

typical forms of Italian literature are read and discussed, with emphasis on the modern period. Practice will be given in conversation and in composition.

Senior elective course; prerequisite, *Italian 1-2*.

Three hours a week through the year.

Dr. COLBURN*

SPANISH

SPANISH 1-2. *Elementary Spanish*. This is a course for beginners in grammar, composition, and reading. The class is divided into small sections. Conversation begins with the first lesson. Pronunciation is emphasized. Spanish-American variations from the Castilian are explained. Texts by both Spanish and Spanish-American authors are used. The course aims to provide the student with a large reading and speaking vocabulary and extensive practice in writing Spanish, including commercial correspondence and usages.

Three hours a week through the year.

Dr. VILES, Dr. COLBURN, Mr. WHITMAN, and Mr. TORRES.

SPANISH 3-4. *Intermediate Spanish*. This course continues the work of Spanish 1-2. Selections from standard authors and, at least, one complete novel are read. The grammar is reviewed with special attention to the verb system. Composition and conversation are increased.

Prerequisite, *Spanish 1-2*.

Three hours a week through the year.

Dr. VILES and Mr. TORRES.

SPANISH 5-6. *Advanced Spanish*. This course, affords a rapid survey of Spanish literature with lectures based on such manuals as Fitzmaurice-Kelly, Ticknor, and Coester. Both classical and modern authors are read. Composition is continued, and written reports on outside reading are required. The course is conducted as much as possible in Spanish.

Prerequisite, *Spanish 3-4*.

Three hours a week through the year.

Dr. VILES.

GERMAN

Assistant Professor LONG, Assistant Professor JOHNSON, and
Assistant Professor HEWITT.

GERMAN 1-2. *Elementary German*. This is a course in grammar, composition, and the reading of narrative prose and some lyrics, also memorizing of poetry. Oral use of the language is introduced gradually, and special attention is paid to pronunciation in the small sections into which the class is divided.

Three hours a week through the year.

Assistant Professor JOHNSON and Assistant Professor HEWITT.

* Assisted in 1919-1920 by Professor ASA H. MORTON.

GERMAN 3-4. *Intermediate German.* This course is intended to give the student a fair reading knowledge of the language. Modern novels are read during the first semester, and Schiller's *Wilhelm Tell*, Lessing's *Minna von Barnhelm*, or Goethe's *Hermann und Dorothea* during the second semester. Thomas's *Grammar* is used for reference, and the work in composition is continued.

Prerequisite, *German 1-2* or *Admission German A*.

Three hours a week through the year.

Assistant Professor JOHNSON and Assistant Professor HEWITT.

GERMAN 5-6. *Advanced German.* This course is devoted to the reading and interpretation of selections from the works of Lessing, Goethe, and Schiller. It is conducted as far as practicable in German, and includes composition, dictation, collateral reading, and lectures.

Prerequisite, *German 3-4* or *Admission German B*; students admitted with *German BC** take *German 6* only.

Three hours a week through the year.

Assistant Professor LONG and Assistant Professor HEWITT.

GERMAN 7-8. *Nineteenth Century Literature.* In this course representative dramas and novels of the nineteenth century are read and discussed. A study is made of the history and development of the German literature during the century, and considerable attention is devoted to the various literary movements and to the representative writers of the period. The course includes lectures, collateral reading, and written reports.

Prerequisite, *German 5-6*.

Three hours a week through the year.

Assistant Professor JOHNSON.

GERMAN 9-10. *Goethe.* This course includes the reading and interpretation of representative works of Goethe, together with a study of his life and character. In the first semester selections from his autobiographical writings, poems, and dramas are read and discussed. The work of the second semester is devoted to the study of *Faust*, and to kindred dramas in European literature. The course includes lectures, collateral reading, and reports.

Prerequisite, *German 7-8*.

Three hours a week through the year.

Assistant Professor LONG.

GERMAN 11-12. *Luther to the Classical Period.* A study of German literature, beginning with the Reformation and extending to the middle of the eighteenth century. Reading and discussion of works illustrative of life and

* See requirements of College Entrance Examination Board.

thought during this epoch. The course includes lectures, collateral reading, and reports.

Prerequisite, *German 9-10*.

Three hours a week through the year.

Assistant Professor LONG.

GERMAN 13-14. *Literature of the Classical Period*. A study of German literature, beginning with Lessing and extending through the first decade of the nineteenth century. Reading and discussion of works selected from representative writers. Considerable attention is given to literary movements and to the social and political conditions of the period. The course includes lectures, collateral reading, and reports.

Prerequisite, *German 9-10*.

Three hours a week through the year.

Assistant Professor LONG.

DIVISION II

ENGLISH

Professor MAXCY, Professor REES, Assistant Professor ALLEN, Assistant Professor DUTTON, Assistant Professor LICKLIDER, and Mr. WILD.

RHETORIC

RHETORIC 1-2.

Rhetoric 1. General Composition. This course aims, first, by systematic drill in the construction of the sentence and the paragraph, to develop the habit of correct expression; secondly, to develop in the student the ability to understand logical discourse and to apply this knowledge to his own written work. All exercises and themes are subjected to detailed criticism.

Rhetoric 2. Narrative Composition. In this course the elements of narration are discussed in turn: setting, character, plot; also the various forms of narrative composition: paragraph items, the short-story, biography, history, etc. In connection with these topics the class studies a number of literary masterpieces. The class is also required to present original exercises in narrative composition: at least two short-stories of the length usually found in magazines, and many brief exercises, such as character sketches, biographic summaries, studies in setting, character, etc.

Freshman course, required of those not taking *American National Problems 1-2*, elective by all others, unless they are reported by instructors in two or more courses as deficient in command of English. See note on page 62.

Three hours a week through the year.

Professor MAXCY, Professor REES, Assistant Professor ALLEN, Assistant Professor DUTTON, Assistant Professor LICKLIDER, and Mr. WILD.

RHETORIC 5-6. Argumentation. The purpose of this course is to train the student in logical and systematic methods of thought. The main divisions of the course are: (a) the correct phrasing of propositions; (b) the analysis of propositions; (c) the study of evidence; (d) inductive and deductive methods of reasoning; (e) generalization and analysis; (f) causal relations; (g) fallacies; (h) the methods of refutation; (i) the construction of briefs; (j) the rhetorical qualities of the forensic; (k) persuasion.

In connection with the study of argumentative theory, each student is trained in the practice of argumentative composition through the writing of extended briefs, forensics, and various argumentative themes and exercises. During the second semester the members of the class are required to take part

in debate. As in *Rhetoric 1-2*, the work of each student is subjected to extended criticism.

Junior elective course; prerequisite, *Rhetoric 1-2* or its equivalent.*

Three hours a week through the year.

Professor MAXCY.

RHETORIC 7. *Criticism.* This course is devoted to the study of literary criticism. The discussions are supplemented by extensive readings in the literature of criticism and by essays on critical topics chosen in connection with the readings.

Senior elective course; prerequisite, *Literature 3-4* or *Literature 5-6* or *Rhetoric 5-6*.

Three hours a week during the first semester.

Assistant Professor ALLEN.

RHETORIC 8. *Advanced Composition.* A study of the rhetorical principles and elements of style, with constant practice in selected types of composition. This course is designed for students who are specially interested in writing and who are prepared to do intensive work. Class-room study and criticism will be supplemented by private conferences.

Senior elective course; prerequisite, *Literature 3-4* or *Literature 5-6* or *Rhetoric 5-6*.

Three hours a week during the second semester.

Assistant Professor LICKLIDER.

ENGLISH LITERATURE

LITERATURE 1-2. *English and American Literature.* The primary aim of this course is to present the main facts in the history of English and American literature. In order to illustrate the study of literary developments, a considerable amount of reading is assigned in the more important writers. During each semester the members of the class are expected to investigate and report on topics chosen in consultation with the instructor. About two-thirds of the year is devoted to English literature, the remainder to American literature. The work is arranged with a view to laying a broad foundation for the more advanced courses in the subject.

Sophomore elective course; prerequisite, *Rhetoric 1-2* or its equivalent.*

Three hours a week through the year.

Assistant Professor ALLEN, Assistant Professor DUTTON, and Assistant Professor LICKLIDER.

* Consult the statement on page 62 regarding *Rhetoric 1-2*.

LITERATURE 3-4. *The Elizabethan Drama.* This course deals with the history of the English drama from the Miracle Plays to the closing of the theatres. During the second semester detailed study is made of the language and of the dramatic structure of certain of Shakspeare's plays. Boas's *Shakspeare and his Predecessors* is used as a general text-book.

Junior elective course; prerequisite, *Literature 1-2*.

Three hours a week through the year.

Professor REES.

LITERATURE 5-6. *English Literature from Milton to Scott.*

Literature 5. The Classical Period (1650-1784). Lectures are given on the history and interpretation of the literature of the period. Extensive reading, with a view to first-hand knowledge of the thought and temper of the chief authors, is required.

The first semester.

Literature 6. The Age of Romanticism (1784-1832). This course traces the development of the Romantic Movement and makes a close study of the principles and interests of Romanticism, but does not neglect important figures and works of other schools during this period. The authors considered include Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Lamb, DeQuincey, Jane Austen, and Landor.

The second semester.

Junior elective course; prerequisite, *Literature 1-2*.

Three hours a week through the year.

Assistant Professor LICKLIDER.

LITERATURE 8. *English Literature, Victorian Period (1832-1900).* This course consists of interpretative lectures, class discussions based upon assigned reading, and individual investigation on the part of the students. It is intended to serve as an introduction to the more important aspects of Victorian literary achievement.

Senior elective course; prerequisite, *Literature 3-4* or *Literature 5-6*.

Three hours a week during the second semester.

Assistant Professor DUTTON.

LITERATURE 9-10. *Old English and Middle English.*

Literature 9. Old English. This course includes both an historical survey of the literature from the seventh century to Chaucer and an elementary study of Old English. Selections from representative works are read in the original. Considerable attention is devoted to the linguistic principles involved in the development of English. Smith's *Old English Grammar* and Bright's *Anglo-Saxon Reader* are used as texts.

The first semester.

Literature 10. Middle English. This course includes careful reading of all of Chaucer's important works, particularly the *Canterbury Tales* and *Troilus and Criseyde*, and of selections from Gower, Langland, and the Metrical Romances. Attention is paid to the social and political conditions of the fourteenth century.

The second semester.

Senior elective course; prerequisite, *German 3-4* and either **Literature 3-4* or **Literature 5-6*.

Three hours a week through the year.

Professor REES.

LITERATURE 11. The Modern Drama (1642-1918). An historical survey of English drama from the closing of the theatres to the present day, and a study of the technique of the drama. The course includes the reading of representative plays from Dryden to Shaw.

Senior elective course; prerequisite, *Literature 3-4* or *Literature 5-6*.

Three hours a week during the first semester.

Professor REES.

LITERATURE 12. The English Bible. In this course the King James version is read carefully, and examinations are held on the assignments. Lectures are given on the history, the literary quality, and the influence of the Bible. A study is made of seventeenth century authors affected by Biblical literature, such as Milton, Herbert, and Dryden.

Senior elective course; prerequisite, *Literature 3-4* or *Literature 5-6*.

Three hours a week during the second semester.

Assistant Professor LICKLIDER.

LITERATURE 13. The English Novel. This course includes a consideration of the history and development of English prose fiction from the earliest times to the present day. The course is based on Cross's *Development of the English Novel*, supplemented by extensive readings in the principal authors under discussion.

Senior elective course; prerequisite, *Literature 3-4* or *Literature 5-6*.

Three hours a week during the first semester.

Assistant Professor DUTTON.

HISTORY

Professor GOODRICH, Professor SMITH, Assistant Professor CLARK, and Assistant Professor BUFFINTON.

HISTORY 1-2. General European History (375-1740). The work of the first semester covers the field of general European history from the Barbarian

* Omitted for students majoring in German.

Invasions to the Renaissance. That of the second semester comprises the period from the Reformation to the eve of the French Revolution.

The methods comprise a text-book, lectures, collateral reading, and frequent written tests. Particular attention is given to the method of study and the use of materials by the student.

This course is the fundamental one in the department, being the prerequisite for all other courses in History, and also for those in Art and Government. Although open to members of the upper classes, it is intended primarily for Sophomores, and it is desirable that it be taken in the Sophomore year.

Three hours a week through the year.

Professor GOODRICH and Assistant Professor BUFFINTON.

HISTORY 3-4. *The History of the United States (1763-1865).* This course deals with the formation of the United States, tracing in the first semester the establishment of American political institutions and habits and the divergence between England and America which led to the Revolution and the creation of a national American policy. In the second semester it studies the rise of Northern and Southern antagonism culminating in the Civil War. Throughout the year special attention is given to problems of international relations, foreign policies, war and peace, with a view to their bearing on present-day questions. The methods comprise lectures, parallel reading, reports on assigned topics, recitations, and written tests.

Junior elective course; prerequisite, *History 1-2.*

Professor SMITH and Assistant Professor BUFFINTON.

HISTORY 5-6. *European History—Era of Revolution and Reconstruction (1740-1871).* The work of the first semester begins with the accession of Frederick the Great (1740) and concludes with the fall of the Napoleonic Empire (1814). After a rapid survey of Europe in the age of Frederick, the main part of the semester is devoted to the study of the period of the French Revolution and the Napoleonic Empire. The course of the movement, its causes, and results, are studied in relation to all the principal states of Europe.

The work of the second semester begins with the reconstruction of Europe after the fall of Napoleon. First the period of reaction and that of the national revolutions of 1848 are studied. Special attention is then given to the constructive movements in Italy, Austria-Hungary, and Germany, concluding with the Franco-German War and the founding of the German Empire.

Junior elective course; prerequisite, *History 1-2.*

Three hours a week through the year.

Professor GOODRICH.

[**HISTORY 7.** *The United States since the Civil War (1865-1918).* This course covers the history of the United States from the close of the Civil War to the present time, dealing with the Reconstruction period, the reorganization

of parties, the rise of the currency and tariff questions, and the recent revival of social political controversy. Particular attention is given to the historical origins of the present American war policy and of the existing Pan-American and Asiatic situations.

Senior elective course; prerequisite, *History 3-4*.

Omitted in 1919-1920.

Professor SMITH.]

HISTORY 8. *Recent European History (1871-1914)*. This course is a continuation of *History 5-6* and is a study of the political development of the European states from the Franco-German War to the present time. Special attention is given to the constitutional developments in France, Germany, Austria-Hungary, Russia, Turkey, and the Balkan states, concluding with a study of the colonial expansion and the international relations of European states down to the summer of 1914.

Senior elective course; prerequisite, *History 5-6*.

Three hours a week during the second semester.

Professor GUARDICH.

HISTORY 9. *The United States and the British Empire, 1863-1920*. A study of the relations of the United States and the British Empire from the close of the American Civil War to the present time, with a survey of the internal development of each country.

Senior elective course; prerequisite *History 3-4* or *War Issues*.

Professor SMITH.

[HISTORY 10. *The British Empire in the Nineteenth Century (1815-1918)*. This course covers the history of the British Empire since 1815 with special emphasis upon the development of popular government in Great Britain and the British colonies, the expansion of the British Empire in Asia and Africa, and the analysis of the principles governing British foreign policy with regard to European controversies, culminating in the present war.

Senior elective course; prerequisite, *History 3-4* or *History 5-6*.

Omitted in 1919-1920.

Professor SMITH.]

HISTORY 12. *Roman History during the Revolution and the Empire*. The economic, social, political, and military history of the Roman world from the age of the Gracchi to that of Theodosius.

Reading, lectures, quizzes, and written work. Consultation of the Latin sources is encouraged but not required.

Special instruction is offered, if desired, to prospective teachers, or to any students wishing to attempt some original investigation; but the course aims

primarily, while not neglecting great personalities, to survey for the general student of history or of the classics the Roman foundations of European civilization.

Senior elective course; prerequisite, *Greek 11*.

Three hours a week during the second semester.

Greek 11 and *History 12* constitute a Senior year course. See *Greek 11*.

Assistant Professor CLARK.

ECONOMICS

Acting Professor McLAREN, Assistant Professor CLARK, and Dr. BELL.

ECONOMICS 1-2 *General Economics*. This course is a study of the leading principles of economic science with some applications to modern industrial conditions. Study of text-books and of assigned collateral reading is the basis of the work. Discussion of this matter in class is supplemented by occasional lectures and by weekly written tests.

Junior elective course.

Three hours a week through the year.

Professor McLAREN, Assistant Professor CLARK, and Dr. BELL.

ECONOMICS 3. *Economic History*. A study of the gradual development of the modern industrial world from the middle of the eighteenth to the end of the nineteenth century. Among the topics included are the great inventions and the industrial revolution, agrarian changes in the leading countries, the factory system and labor legislation, steam transportation, English free trade and the tariff histories of leading countries, the finances and economic bearings of wars of the period, and the recent developments of industrial organization and nations.

Assignments of reading on special topics.

Senior elective course; prerequisite, *Economics 1-2*, *Government 1-2*, or *History 3-4*.

Three hours a week during the first semester.

Assistant Professor CLARK.

ECONOMICS 4. *Corporation Finance*. Kinds of business associations; organization and legal management of corporations; kinds of stock and rights of stockholders; corporate bonds, notes, and mortgages; control of the issue of securities by the State; sale of stocks and bonds to stockholders and the public; prospectuses; promotion; intercorporate relations; financial management; readjustments and reorganizations.

Senior elective course; prerequisite, *Economics 1-2*.

Three hours a week during the second semester.

Professor McLAREN and Dr. BELL.

ECONOMICS 5. *Banking and Foreign Exchange.* Nature and functions of credit; instruments of commercial credit; principles of commercial banking; relations between banks, and the Clearing House system; regulation of banking; Federal Reserve System; coöperative banking; agricultural credit; investment banking institutions; nature, methods, and instruments of foreign exchange; the rate of exchange and the flow of specie.

Senior elective course; prerequisite, *Economics 1-2*.

Three hours a week during the first semester.

Professor McLAREN and Dr. BELL.

ECONOMICS 7. *Public Finance and Trusts.* A study, on the one hand, of the theories and methods of public finance, and of the results of public enterprise; and on the other, of public policy with respect to capitalistic combinations.

Senior elective course; prerequisite, *Economics 1-2*.

Three hours a week during the first semester.

Assistant Professor CLARK.

ECONOMICS 8. *Labor Questions and Labor Legislation.* A study of the modern labor movement in America and abroad, of the forms, aims, and character of unions, and of the questions, proposals, and legislation affecting the relations of employers and employed. Topics included will be immigration, unemployment, strikes and conciliation, "scientific management," systems of payment, compensation, insurance, welfare activities, housing laws, wages-boards, coöperation and other projects of social reform, socialist theories and party policies, and syndicalism.

Assigned reading in text-books, monographs, reports, and periodicals.

Economics 3 is recommended as desirable, though not essential, to precede this course.

Senior elective course; prerequisite, *Economics 1-2*.

Three hours a week during the second semester.

Assistant Professor CLARK.

In the courses Economics 4, 5, 6, and 8 a special subject is assigned each student for study and written report.

GOVERNMENT AND POLITICAL SCIENCE

President GARFIELD, Professor SMITH, Professor DOUGHTY,* Acting Professor McLAREN, Mr. TENNEY, and Dr. BELL.

GOVERNMENT 1-2. *The Constitution and Government of the United States.* This course comprises a study of the United States constitution both in its principles and structure and in its actual operation. The first semester,

* Absent on leave.

Government 1, consists of an examination of the theories and principles of government upon which is based the constitution, as those theories and principles are presented in *The Federalist*, which work is used as a text-book in this course. The second semester, *Government 2*, is an elementary course in Constitutional Law based upon Hall's *Constitutional Law* as a text in connection with McClain's *Cases in Constitutional Law*. The methods of instruction consist of lectures and oral and written recitations.

Junior elective course; prerequisite, *History 1-2*.

Three hours a week through the year.

Mr. TENNEY.

[GOVERNMENT 3. *History of Primitive Institutions*. This course is a study of the structure of primitive societies, and the origins and development of legal and political institutions as found in the earlier Roman law, and the laws and political institutions of mediæval Europe. The work consists of oral and written recitations and lectures. Maine's *Ancient Law* and Jenks' *Law and Politics in the Middle Ages* are used as texts.

Senior elective course; prerequisite, *Government 1-2*.

Three hours a week during the first semester.

Omitted in 1919-1920.

Professor DOUGHTY.]

[GOVERNMENT 4. *History of Primitive Institutions*, continued. This course is a continuation of *Government 3*, being confined, however, to the study of the nature and development of the early common law of England. The work consists of oral and written recitations and lectures. Kerr's edition of *Blackstone* is used as a text.

Senior elective course; prerequisite, *Government 3*.

Three hours a week during the second semester.

Omitted in 1919-1920.

Professor DOUGHTY.]

GOVERNMENT 5. *Jurisprudence*. This course is a study of the theory and structure of law, its sources and subject-matter. The work consists of oral and written recitations and lectures. Holland's *Elements of Jurisprudence* is used as a text.

Senior elective course; prerequisite, *Government 1-2*.

Three hours a week during the first semester.

Mr. TENNEY.

GOVERNMENT 6. *Jurisprudence*. This is an advanced course in jurisprudence, and consists of a study of the processes of reasoning involved in the application of the general principles of the system, and the rules of any particular branch, to specific sets of facts. The work consists of lectures, class-

room discussions, and written exercises. There are assignments of reading on special topics.

Senior elective course; prerequisite, *Government 5*.

Three hours a week during the second semester.

Mr. TENNEY.

[GOVERNMENT 7. *Comparative Modern Government*. This course is devoted to a study of the governments of the leading countries with special attention to the methods of legislation and the location of political control. It is based on Ogg's *Governments of Europe* and Lowell's *Government of England and Government and Politics in Continental Europe* and is conducted by means of discussions, lectures, and the presentation of reports individually assigned to members of the class.

Senior elective course; prerequisite, *Government 1-2*.

Three hours a week during the first semester.

Omitted in 1919-1920.

Professor SMITH.]

[GOVERNMENT 8. *Problems of American Government*. This course studies the practical working of the United States Federal government with particular reference to the difficulties and shortcomings complained of in current criticism and the proposed remedies of a governmental character. Beard's *Government and Politics* is used as the basis for work, and there is a considerable amount of assigned reading, as well as a special report involving investigation of some disputed point.

Senior elective course; prerequisite, *Government 1-2* and any one of the following courses, *Government 7*, *Government 9*, or *History 7*.

Three hours a week during the second semester.

Omitted 1919-1920.

Professor SMITH.]

[GOVERNMENT 9. *Municipal Government*. A study of the structure and functions of city government in Europe and the United States. Discussions and weekly tests based upon assigned reading and lectures. (Required reading, 1917-1918, Munro's *Government of European Cities*, *Government of American Cities*, and *Principles and Methods of Municipal Administration*.) In addition to the study of the general subject, the government of a particular city is assigned to each student for special examination. Method: individual conferences and a written report.

Senior elective course; prerequisite, *Government 1-2*.

Three hours a week during the first semester.

Omitted in 1919-1920.

President GARFIELD.]

AMERICAN NATIONAL PROBLEMS

President GARFIELD, Professor SMITH, Professor PRATT,
Professor McLAREN, and Dr. BELL.

AMERICAN NATIONAL PROBLEMS 1-2. The course in American National Problems is intended to serve as a general introduction to modern political, industrial, and social problems in America and the modern world. The first semester deals with problems of Government and International Relations, the second with problems of Industrial and Social Relations. Text-books are used, and frequent written tests are given.

Freshman and Sophomore elective course.

Three hours a week through the year.

PHILOSOPHY

Professor PRATT and Dr. HENDEL.

PHILOSOPHY 1-2. *Elementary Psychology and Ethics.*

Philosophy 1. The larger part of the semester is devoted to a study of the essential facts of individual human psychology. This is followed by a brief introduction to social psychology, special emphasis being given to those aspects of the subject which bear upon the study of ethics.

The first semester.

Professor PRATT and Dr. HENDEL.

Philosophy 2. Starting with the insight into human nature gained in the first semester's work, the attempt is made by means of discussions, original papers, and assigned readings, to build up a system of ethical principles and to apply them to various problems of individual and social life.

The second semester.

Professor PRATT.

Sophomore elective course.

Three hours a week through the year.

PHILOSOPHY 3-4. *History of Philosophy.* The aim of this course is to acquaint the student with the personalities dominant in the thought of ancient Greece and Rome and of Western Europe from the middle Ages up to the present century, and to study the fundamental problems of philosophy which these personalities raised. The leading philosophers are read in connection with a text-book, and this is supplemented by assigned historical reading, lectures, written papers, and discussion.

Junior elective course; prerequisite, *Philosophy 1-2.*

Three hours a week through the year.

Dr. HENDEL.

PHILOSOPHY 5. *Realistic Metaphysics.* After a brief historical introduction to the problems of knowledge, the doctrines of neo-realism and critical realism are examined. The latter part of the semester is devoted to a study of the mind-body problem and its metaphysical implications.

Senior elective course; prerequisite, *Philosophy 1-2*.

Three hours a week during the first semester.

Professor PRATT.

PHILOSOPHY 6. *Idealistic Metaphysics.* This course is devoted to a systematic discussion of the fundamental problem of reality and knowledge from the point of view of modern idealism, with papers from students and lectures on central points.

Senior elective course; prerequisite, *Philosophy 1-2*.

Three hours a week during the second semester.

Dr. HENDEL.

[**PHILOSOPHY 7. *Philosophy of the State.*** In this course are studied the various views of the political life of man, with examination of the psychological and ethical bases of those views. The reading will be in Plato, Aristotle, Hobbes, Locke, and Rousseau, and in recent literature of the subject.

Senior elective course; prerequisite, *Philosophy 1-2*.

Three hours a week during the first semester.

Omitted 1919-20.]

[**PHILOSOPHY 8. *Contemporary Thinkers.*** This is a study of the origins and tendencies of those phases of contemporary philosophical thought not dealt with in Philosophy 5 and 6. Assigned reading, papers, and discussion.

Senior elective course; prerequisite, *Philosophy 1-2*.

Three hours a week during the second semester.

Omitted 1919-20.]

RELIGION

Professor MORTON and Professor PRATT.

RELIGION 1-2. *History of Religions.*

Religion 1. The more important ideas and institutions of the religion of primitive peoples are first considered, after which the religions of China, Japan, India, Persia, Israel, and Islam are taken up in some detail. The instruction is by lectures with short quizzes, required reading from the *Sacred Books*, and reports on them. In addition to this, each student chooses some topic for independent investigation and writes a thesis upon it.

The first semester.

Professor PRATT.

Religion 2. The religions of Greece and Rome, and the chief developments of Christianity to the beginning of the medieval period. Lectures, required reading, and a thesis.

Professor MORTON.

The second semester.

Junior elective course.

Three hours a week through the year.

RELIGION 3. *Medieval Christianity.* A study of the thought and emotion of Catholicism at the period of its greatest vitality and splendor. Lectures, required reading, and a thesis.

Senior elective course; prerequisite, *Religion 1-2* or *Philosophy 1-2*.

Three hours a week through the first semester.

Professor MORTON.

RELIGION 5. *The Nature of Religious Experience.* The chief facts of religious experience as interpreted by ancient and modern thought. Lectures, required reading, and a thesis.

Senior elective course; prerequisite, *Religion 1-2* or *Philosophy 1-2*.

Three hours a week through the first semester.

Professor MORTON.

RELIGION 6. *The Fundamental Problems of Religion.* A search for the Reality corresponding to the assumptions and the aspirations of religion. The arguments of natural theology justifying belief in God. Lectures, required reading, and a thesis.

Senior elective course; prerequisite *Religion 5* or *Philosophy 1-2*.

Three hours a week through the second semester.

Professor MORTON.

HISTORY OF ART AND CIVILIZATION

Professor WESTON

ART 1-2. *History of Art from Antiquity through the Italian Renaissance.* Beginning with the civilization of Egypt, the architecture and sculpture of Antiquity and the Middle Ages, and the painting of the Italian Renaissance are studied as the expression of the civilization and ideals of each period. In addition to the three regular exercises of the course, each student is required to attend a weekly conference hour with the instructor. Illustrative matter is furnished by lantern views, photographs, and charts. Lectures and weekly assignments of reading.

Junior elective course; prerequisite, *History 1-2*.

Three hours a week through the year.

Fee, \$8.00.

ART 3. *Painting and Architecture.* This course is a study of the development of the northern schools of painting in the 15th and 16th centuries and of the architecture of the Italian Renaissance and its influence in other countries.

Lectures and weekly assignments of reading.

Senior elective course; prerequisite, *Art 1-2*.

Three hours a week during the first semester.

Fee, \$3.50.

ART 4. *Painting of the 17th, 18th, and 19th Centuries.* The aim of this course is to familiarize the student with each important school of painting and to furnish a basis for independent judgment.

Senior elective course; prerequisite, *Art 1-2*.

Three hours a week during the second semester.

Fee, \$3.50.

CLASS IN DRAWING

In addition to the courses in the history of art, the department offers this year instruction in drawing. This course will be under the direction of Mrs. William M. R. French and is open to all students. The class will meet once a week through the year. No college credit is given for this work.

PUBLIC SPEAKING AND ORATORY

Public Speaking. This course aims (1) to emphasize some of the fundamental principles of oral expression and (2) to apply them to the speech of the individual. The class is divided into small sections, and extended drill is given each man. The choice of speakers for the prize contest in declamation is based on this work.

Freshman required course.

[ORATORY 1-2.

Oratory 1. This course is intended to develop the delivery of the students. It includes (1) the practice of exercises for the development of the voice and body as expressive agents, and (2) practice in different forms of public speaking. The latter includes the rendering of original selections from memory and extempore speaking. A text-book is used.

Oratory 2. This is a continuation of *Oratory 1*. It offers advanced work in both technique and delivery. The structure and style of the oration are considered—also its different forms. Each student will be required to write at least three manuscripts of not less than eight hundred words each. A text-book is used.

Senior and Junior elective course.

Three hours a week throughout the year.

Omitted in 1919-1920.]

Extended drill is given to all speakers who compete in prize contests, and to those who are to appear on the commencement platform.

DIVISION III

MATHEMATICS

Professor HARDY, Assistant Professor SHEPARD, Assistant Professor AGARD,
and Professor MILHAM.

MATHEMATICS 1-2. *Plane Trigonometry, Advanced Algebra and Analytical Geometry, and Surveying.*

Plane Trigonometry. Logarithms, the trigonometric functions, trigonometric analysis, solutions of right and oblique triangles, etc. Bocher and Gaylord's *Trigonometry* is used as a text-book.

Advanced Algebra and Analytical Geometry. Graphical methods, complex numbers, determinants, theory of equations, plane analytical geometry, and an introduction to differential calculus. Breslich's *Correlated Mathematics* is used as a text-book.

Field Work in Surveying. The practical use of instruments, including determination of heights, simple triangulation, measurement of areas, and leveling. This portion of the course is optional.

Freshman course, optional with *Physics 1-2*.

Three hours a week through the year.

Professor HARDY, Assistant Professor SHEPARD,
Assistant Professor AGARD, and Professor MILHAM.

MATHEMATICS 3-4. *Analytical Geometry and Calculus.* Graphs of algebraic and transcendental functions; analytical geometry of straight line, conic, and special curves; parametric equations; polar coördinates; differentiation with applications to geometry and mechanics; elementary integration; space geometry. Wilson and Tracey's *Analytical Geometry* and Granville's *Calculus* are used as text-books.

After the current college year *Mathematics 3-4* will consist of differential and integral calculus. A special division will be made for men who have not had *Mathematics 1-2* as described above, in college.

Sophomore elective course, optional with *Physics 1-2* for Freshmen in Admission Groups IV and V; prerequisite, *Mathematics 1-2*.

Three hours a week through the year.

Assistant Professor SHEPARD and Assistant Professor AGARD.

MATHEMATICS 5-6. *Differential and Integral Calculus.* This course continues the work begun in *Mathematics 3-4*, and takes up more advanced methods of integration; the determination of lengths, areas, volumes, mean values, centers of gravity, moments of inertia, approximate integration, etc. It also includes a discussion of Taylor's Series and an introduction to differential

equations. The work is based on Woods and Bailey's *Analytic Geometry and Calculus*.

Junior elective course, open also to Sophomores in Admission Groups IV and V; prerequisite, *Mathematics 3-4*.

Three hours a week through the year.

Professor HARDY.

MATHEMATICS 7-8. *Descriptive Geometry*. Problems of the straight line and plane, curved surfaces, intersections and development of surfaces, simple warped surfaces. Elements of shades and shadows, and perspective. Anthony and Ashley's *Descriptive Geometry* and Fishleigh's *Problems* are used as text-books.

Junior elective course; prerequisite, *Mathematics 3-4*.

Three hours a week through the year.

Assistant Professor AGARD.

[MATHEMATICS 9. *Differential Equations*. Methods of solution of the simpler forms of differential equations, applications to many problems of mathematical physics, etc. The course is based on Cohen's *Differential Equations*.

Senior elective course; prerequisite, *Mathematics 5-6*.

Three hours a week during the first semester.

Omitted in 1919-1920.]

[MATHEMATICS 10. *Modern Methods in Analytic Geometry*. Abridged notation, line coordinates, harmonic division, projection, etc., with many applications. Lectures, with references to Salmon's *Conic Sections* and other works.

Senior elective course; prerequisite, *Mathematics 5-6* or *Mathematics 7-8*.

Three hours a week during the second semester.

Omitted in 1919-1920.]

STATISTICS 1-2.

Statistics 1. Mathematics of Finance. Theory of interest and discount; annuities; capitalization of annuities; amortization; valuation of bonds; sinking funds and depreciation. Methods of computation of interest- and bond-tables. Introduction to actuarial mathematics.

Skinner's *Mathematical Theory of Investment* is the text-book used.

Statistics 2. Theory and Methods of Statistics. Collection and compilation of statistics; graphical methods; averages; interpolation; frequency-distributions; probability curves; measures of correlation.

Analysis of statistical tables. Important sources of published statistics. Use and computation of index-numbers. Bases of best known index-numbers. Railroad statistics.

Junior elective course; prerequisite, *Mathematics 1-2*.

Three hours a week during the year.

Professor HARDY and Assistant Professor SHEPARD.

PHYSICS

Professor McELFRESH, Dr. BRINSMADE, and Mr. OWEN.

PHYSICS 1-2. *General Physics.* This course deals with the elementary facts and principles of physics and with the applications of physical laws to the experiences and phenomena of daily life. It includes elementary mechanics, sound, heat, light, magnetism, and electricity.

Freshman course, optional with *Mathematics 1-2*.

Three exercises a week through the year; these are lectures and recitations (two hours a week) and laboratory work (one two-hour exercise a week). For laboratory work the class is divided into small divisions; two-hour periods are assigned for this work to fit individual schedules.

Fee, \$5.00.

Professor McELFRESH, Dr. BRINSMADE, and Mr. OWEN.

PHYSICS 3-4. *Experimental Physics.* Mechanics, sound, heat, light, magnetism, and electricity. This course consists of a series of physical measurements in the laboratory, accompanied by lectures. The lectures deal with the methods and principles involved in the laboratory work and also discuss certain physical problems that do not readily lend themselves to laboratory experimentation. In the laboratory work high-grade instruments of precision are employed, and the course is expected to give some skill in accurate measurement. The primary object of the laboratory work is to enable the student to familiarize himself with physical phenomena by direct personal observation.

Sophomore elective course; prerequisite, *Physics 1-2*.

Three exercises a week through the year; lectures and recitations (one hour a week), and laboratory work (two two-hour periods a week).

Fee, \$10.00.

Professor McELFRESH.

PHYSICS 5-6. *Electrical Measurements and Practical Applications of Electricity.* This course consists of lectures and laboratory work and includes a study of the magnetic properties of iron and steel, of direct and alternating current phenomena, and of their practical illustration in dynamo-electric machinery.

Junior elective course; prerequisite, *Physics 3-4*.*

Three exercises a week through the year; lectures and recitations (two hours a week), and laboratory work (one two-hour period a week).

Fee, \$10.00.

Dr. BRINSMADE.

PHYSICS 7. *Mechanics.* The general principles of mechanics of solids; statics and kinetics of rigid bodies. Lectures and problems.

* Students taking this course must have taken or be taking *Mathematics 3-4*.

Senior elective course; prerequisite, *Mathematics 3-4* and *Physics 1-2*.
Three exercises a week during the first semester.

Professor McELFRESH.

PHYSICS 8. *Mechanics.* A continuation of *Physics 7*. Elasticity of solids, liquids, and gases. Statics and kinetics of liquids and gases.

Senior elective course; prerequisite, *Physics 7*.

Three exercises a week during the second semester.

Professor McELFRESH.

CHEMISTRY

Professor BRAINERD MEARS, Mr. HUSSEY, Mr. ADRIANCE, and Mr. PRENTISS.

CHEMISTRY 1-2. *General Chemistry and Qualitative Analysis.*

Chemistry 1. General Chemistry. The principles of chemistry are studied in connection with the non-metals and their compounds. This course is given by experimental lectures, supplemented by recitations and practical work in the laboratory.

Fee, \$3.00 and breakage.

Three periods a week, of two hours each, during the first semester.

Chemistry 2. Metallic Chemistry and Qualitative Analysis. A course of lectures is given on the occurrence, properties, and use of the metals and their compounds.

Most of the time is devoted to qualitative analysis in the laboratory. This work includes the reactions of the principal bases and acids, their detection and separation. About 100 solutions and 100 solid substances, including about 50 minerals, are analyzed during the course. This course is a continuation of *Chemistry 1*.

Sophomore elective course.

Three periods a week, of two hours each, during the second semester.

Fee, \$10.00 and breakage.

Professor BRAINERD MEARS, Mr. HUSSEY, and Mr. PRENTISS.

CHEMISTRY 3-4. *Organic Chemistry.*

Chemistry 3. Organic Chemistry. Lectures on the compounds of carbon, including the history of chemistry and its development to the present time. This course completes the work begun in *Chemistry 1* and continued in *Chemistry 2*.

Mr. HUSSEY.

Chemistry 4. Advanced Organic Chemistry. This course is a continuation of the work begun in *Chemistry 3*. The principles of organic chemistry are

applied to the preparation and analysis of organic compounds in the laboratory, with a discussion of the reactions involved. Cohen's book on organic preparations is used.

Professor BRAINERD MEARS and Mr. HUSSEY.

Junior elective course; prerequisite, *Chemistry 1-2*.

Three exercises a week, of two hours each, through the year.

Fee, \$10.00 and breakage.

CHEMISTRY 5. *Quantitative Analysis.* This course embraces the quantitative determination and separation of the principal bases and acids. Both gravimetric and volumetric methods are employed.

Senior elective course; prerequisite, *Chemistry 3-4*.

Three exercises a week, of two hours each, during the first semester.

Fee, \$10.00 and breakage.

Professor BRAINERD MEARS.

CHEMISTRY 6. *Advanced Quantitative Analysis.* This course is a continuation of *Chemistry 5* and includes the analysis of minerals and various other products closely related to the industrial processes and to daily life.

Senior elective course; prerequisite, *Chemistry 5*.

Three exercises a week, of two hours each, during the second semester.

Fee, \$5.00 and breakage.

Professor BRAINERD MEARS.

CHEMISTRY 7. *Advanced Inorganic Chemistry.* This course includes lectures, recitations, and reports upon the more important technical operations, together with the preparation of inorganic compounds and a discussion of the reactions and processes involved in their production.

Senior elective course; prerequisite, *Chemistry 3-4*.

Three exercises a week, of two hours each, during the first semester.

Fee, \$5.00 and breakage.

Mr. HUSSEY.

CHEMISTRY 8. *Physical Chemistry.* This course consists of lectures and recitations on the modern theories of physical chemistry together with experimental work in the laboratory.

Senior elective course; prerequisite, *Chemistry 3-4*.

Three exercises a week, of two hours each, during the second semester.

Fee, \$5.00 and breakage.

Mr. HUSSEY.

CHEMISTRY 10. *Physiological Chemistry.* The lectures in this course consist of a discussion of those chemical substances peculiar to animals, and of the facts of physiological chemistry.

The laboratory practice is designed to acquaint the student with the more important constituents of animal matter and their chemical behavior, particular attention being given to metabolism.

Senior elective course; prerequisite, *Chemistry 3-4*.

Three exercises a week, of two hours each, during the second semester.

Fee, \$5.00 and breakage.

Mr. ADRIANCE.

GEOLOGY AND MINERALOGY

Professor CLELAND* and Assistant Professor PEATTIE.

GEOLOGY 1-2. *General Geology.* The purpose of the course in general geology is to give the student such a knowledge of the principles of geology that he may be able to appreciate what he sees of the earth's surface and to understand what force or forces have produced the features of the landscape. A study is also made of the forces themselves, such, for example, as erosion, glaciers, volcanoes, and earthquakes. Some time is spent on the life of the past, in a description not only of the animals that lived in the various periods of the earth's history but also of the changes that took place in their structure and habits, and, as far as possible, of the causes that produced these changes.

Geology 1. During the first semester that portion of the subject included in (a) *Dynamical Geology*, which deals with the forces that have shaped, and are now shaping, the earth's surface, such as weathering, streams, glaciers, volcanoes, and earthquakes, is considered. (b) *Structural Geology*. In this division of the subject the structure of the earth's crust and the more important rocks and minerals of which it is composed are studied.

Excursions in the vicinity of Williamstown, as well as one or two to more distant points, are taken.

Geology 2. In the second semester the origin and occurrence of ores are first studied. This is followed by the major work of the semester, the study of evolutionary geology. The animals of the past, as shown by their fossil remains, are discussed particularly with regard to their bearing upon the theory of evolution. The fossils in the collections and a number of casts, together with a large collection of lantern slides of restorations, are used in illustration.

Excursions in the vicinity of Williamstown, as well as one or two to more distant points, are taken.

Junior elective course; prerequisite, *Chemistry 1-2*.

Three hours a week through the year.

Assistant Professor PEATTIE.

GEOLOGY 3. *Mineralogy.* This course aims to give the student a knowledge of the commoner and economically valuable minerals and is a preparation

* Absent on leave.

for Economic Geology, *Geology 4*. The work consists of blow-pipe and chemical tests, as well as sight identification of minerals. A brief course in crystallography is included. The following mineral groups are studied: iron, manganese, nickel, cobalt, zinc, tin, titanium, lead, arsenic, antimony, molybdenum, copper, mercury, silver, gold, platinum, potassium, sodium, lithium, barium, strontium, calcium, magnesium, aluminum, boron, silica, and the silicates.

Senior elective course; prerequisite, *Geology 1-2*.

Six exercises a week during the first semester.

Laboratory fee, \$2.00.

Assistant Professor PEATTIE.

GEOLOGY 4. *Economic Geology.* Beginning with a more detailed study of those subjects which are essential to the understanding of economic geology, the aim of the course is to afford the student a practical knowledge of the mineral products of the United States, such as coal, gypsum, salt, iron, lead, copper, and gold. Special attention is paid to the origin of the various deposits studied, with particular reference to the general principles governing the deposition and occurrence of each economic product discussed. Each student is required to present a typewritten report, as the result of his own observation, of some local mine, quarry, or other deposit of economic importance.

Senior elective course; prerequisite, *Geology 1-2*.

Three hours a week during the second semester.

Assistant Professor PEATTIE.

BIOLOGY

Professor KELLOGG and Dr. HOAR.

BIOLOGY 1-2. The introductory course in the department. It is divided into three parts:

(a) The first of these deals with the fundamental properties of living matter, the cell, characters of higher animals and higher plants, the practical and theoretical impossibility of separating, naturally, the so-called animal and plant "kingdoms," etc.

(b) *Zoology of the invertebrates.* Considerable time is given to a laboratory study of the structure and activities of single celled forms. This is followed by a consideration of great groups represented by sponges, hydras, starfish, worms, crawfish, insects, and bivalves, that are studied in the laboratory.

(c) *The theories of biology.* Most of the time is given to early and recent theories of evolution, and many special problems connected with them, particularly those concerning man. Laboratory work on the invertebrates is continued through this period.

Three exercises a week of two hours each, through the year.

Fee, \$5.00.

Professor KELLOGG and Dr. HOAR.

BIOLOGY 3-4. A continuation of *Biology 1-2*.

(a) *Zoölogy of the Chordata*. As in *Zoölogy of the Invertebrata*, instruction is by means of lectures, recitations, and laboratory work. The fishes, amphibia, reptiles, birds, and mammals are studied comparatively by means of dissections in the laboratory.

(b) *Embryology*. The second semester is given to a study of the development of the starfish, worm, frog, chick, and mammal. In the first three forms special attention is given to the early stages which follow fertilization. The work on the chick is outlined by a text-book, and followed in the laboratory by means of preparations, some of which are made by the student. It covers the development from the beginning of incubation to a stage in which the more important organs of the body have appeared. Mammalian development is compared with that of the chick, which it closely resembles, but is studied in the laboratory only by means of models and demonstration preparations.

Senior elective course; prerequisite, *Biology 1-2*.

Three exercises a week of two hours each, through the year.

Fee, \$5.00.

Professor KELLOGG.

BIOLOGY 5-6.

(a) *Cryptogamic Botany* (algae, fungi, mosses, and ferns). A study of the lower forms of plant life with relation to their gradual evolutionary development. Special reference will be made to the morphology, relationship, and means of control of pathogenic fungi (molds, mildews, blights, smuts, rusts, etc.).

Sufficient time will be spent on the mosses and ferns to show their relationship to the lower and higher forms.

(b) *Phanerogamic Botany*. A study of higher plants; their morphology, physiology, relation to extinct forms (Paleobotany), and importance to man.

Junior elective course, prerequisite *Biology 1-2*.

Three exercises a week, of two hours each, through the year.

Fee, \$5.00

Dr. HOAR.

BIOLOGY 7. *Bacteriology*.

The first part of the course is given to a study of general bacteriology, including methods of classification, factors necessary for growth, culture methods, stains, staining, etc. The latter portion will be given over to the study of pathogenic bacteria and their relation to man; such as powers of resistance, pathogenesis, distribution, channels of infection and means of dissemination, variations in the nature of infectious disease, antitoxins, vaccines, etc.

Senior elective course, prerequisite either *Biology 3-4* or *Biology 5-6*.

Three exercises a week of two hours each, through the first semester.
Fee, \$5.00.

Dr. HOAR.

BIOLOGY 8.

A continuation of *Biology 7*.

This will include a study of dairy bacteriology, soil microbiology, and the micro-organisms found in water. In connection with the last some time will be spent in a study of water purification and sewage disposal.

Senior elective course, prerequisite, *Biology 7*.

Three exercises a week, of two hours each, through the second semester.

Dr. HOAR.

PHYSIOLOGY AND HYGIENE

Professor HOWARD.

HYGIENE. A series of lectures and recitations on the preservation of health. The lectures are designed to acquaint the student with the causes of disease, to point out the conditions of healthy living, and to inculcate those habits that promote physical efficiency. In several lectures attention is given to the problems of public health, especially those of safeguarding the food-supply and stamping out communicable disease.

Freshman required course.

One hour a week during the first semester.

Shortly after the opening of college in the fall, each new student is given a physical examination, the objects of which are to discover any existing defects of the heart, lungs, eyes, or muscular development, and to prescribe proper measures for their correction. Particular attention is given to the fitness of candidates for the athletic teams.

PHYSIOLOGY 1. An elementary study of the mechanism of life. Attention is centered chiefly on the structure and function of the human body, but the facts of general physiology are constantly employed to throw light on the special problems of human physiology. The physical and chemical features of the material basis of life are discussed first. Following this the physiology of the cell is briefly surveyed. The remainder and larger part of the course is a study of the income of material and energy to the body, comprising the subjects of alimentation, respiration, circulation, and metabolism. As far as time and the nature of the subject permit, the facts of physiology are demonstrated to the class, and the discussions are based as far as possible on these observed phenomena. Class-room instruction is supplemented by reading of references in the manuals and periodicals of the science.

Senior elective course; prerequisite, *Biology 3-4* or *Biology 5-6*.

Three hours a week during the first semester.

PHYSIOLOGY 2. This course continues the study of physiology on lines similar to those followed in *Physiology 1*. The means by which the body is adapted to its environment is the main topic. This comprises a study of the neuro-muscular mechanism, the central nervous system, and the organs of sensation.

Senior elective course; prerequisite, *Physiology 1*.

Three hours a week during the second semester.

ASTRONOMY

Professor MILHAM.

ASTRONOMY 1-2. This year course is divided into two parts, descriptive astronomy and an introduction to spherical and practical astronomy. In the descriptive astronomy a text-book, Young's *Manual of Astronomy*, is used as a basis of instruction. Numerous supplementary lectures are given, and the course is illustrated by charts and photographs. Such topics as the time service of the country, the origin of our calendar, the presence of an atmosphere in the case of the moon and the planets, and the cosmogony, are treated at length. During the second part of the course lectures on modern observatories, their location, equipment, and work, are given. Experimental demonstration and practical exercises in the observatory constitute a large part of the instruction during the last part of the second semester.

Junior elective course; prerequisite, *Physics 1-2*.

Three hours a week through the year.

ASTRONOMY 3-4. *Navigation and Practical Astronomy.* The Navigation portion consists of Dead Reckoning, Piloting, Signaling, and Deep-sea Navigation. The Practical Astronomy consists in the use of the instruments of the observatory for the determination of Latitude, Longitude, and Time. A few weeks are also devoted to Meteorology and the construction, care, and accuracy of time-keepers, particularly precision clocks and chronometers.

Senior elective course; prerequisite, *Astronomy 1-2*.

Three hours a week through the year.

[**ASTRONOMY 5.** *Theoretical Astronomy.* The mathematical side of astronomy is here considered. Elliptic motion, place in orbit, place in space, and the computation of orbits are treated.

Senior elective course; prerequisite, *Astronomy 1-2* and *Mathematics 5-6*.

Three hours a week during the first semester.

Omitted in 1919-1920.]

WILLIAMS COLLEGE**PHYSICAL TRAINING****Mr. SEELEY.**

Exercises consisting of marching, calisthenics, and light gymnastics with wands, clubs, chest weights, and dumb-bells. The first six weeks are given up to outdoor work on Weston Field.

Freshman required course.

Three forty-five minute periods a week until the Spring recess.

In connection with this work a course of lectures on Hygiene is given in the first semester by Professor Howard. See the announcement of Physiology and Hygiene.

Elective work in the gymnasium is offered to other classes.

GENERAL INFORMATION

ORDER AND DISCIPLINE

It is the aim of the college to develop in the individual student the sense of personal responsibility for good order and a high standard of scholarship, and to secure, in the largest measure, his coöperation with the Faculty in the development of his own character. But if such coöperation is plainly impossible, a student may be dismissed from college at any time, even without previous warning.

HONOR SYSTEM

All college examinations are conducted under an honor system, established in 1896, by which the presence of proctors in the examination room is dispensed with and each student is placed on his honor. The following signed declaration is necessary to make any examination or other work written on paper in the class-room valid: *I have neither given nor received aid in this examination.*

All cases of suspected fraud are dealt with by a committee of ten students, including representatives from each class, who have the power to decide on the question of guilt and to recommend to the Faculty the penalty of dismissal from college in the case of a Senior, Junior, or Sophomore, and of suspension in the case of a Freshman.

REGISTRATION

All students are required to register in person on Tuesday, Wednesday, or the morning of Thursday at the beginning of the college year; again shortly before the beginning of the second semester; and a third time near the close of the second semester. For unexcused delay in registration, a fee of five dollars is imposed.

ATTENDANCE ON COLLEGE EXERCISES

Attendance on all individual appointments in the departments of English and Hygiene, on all semi-annual or final examinations, and on six-sevenths of the chapel services, is required of all students; attendance on nine-tenths of all other exercises is required of those Seniors, Juniors, and Sophomores, whose grades during the previous semester were as high as B in at least half their courses and as high as C in all their courses; and attendance on nineteen-twentieths of these exercises is required of all other students.

Each student is allowed to be absent from the Sunday morning service twice, and from the morning prayers and Sunday afternoon service combined eighteen times each semester.

The regulation of attendance on both the secular and the religious exercises is entrusted to the Dean. He is authorized to establish such rules for attendance on the religious exercises of the college as he may deem necessary, and to place on probation any student who fails to meet these requirements, or whose attendance on recitations and lectures is especially irregular. If a student does not comply with the conditions of the probation, the Dean may dismiss him from college; but any student thus dismissed has the right of an appeal through the Dean to the Committee on Administration.

RECORDS AND REPORTS

A report of scholarship is sent by the Registrar to every student's parents or guardian at the close of each semester, and at such other times as the Faculty may deem expedient. A permanent record of each student's scholarship is kept, and by this record his promotion and graduation are determined.

MASTER OF ARTS

The degree of Master of Arts is conferred upon Bachelors of Williams College of at least one year's standing who, having spent one year in residence at the college, pursuing two approved courses of study as explained below, have passed a satisfactory

examination in each subject, and have submitted a satisfactory thesis.

The degree is conferred upon Bachelors of Williams College who have spent one year in residence at any academic institution, pursuing two approved courses as below, provided that none of the work taken for the degree be used in fulfillment of the requirements for degrees elsewhere, and having been registered for the Master's degree for not less than one college year, have fulfilled the conditions as to examinations and thesis.

The degree is conferred upon Bachelors of Williams College who, not having been in residence, but having been registered as candidates for the degree not less than two years, have fulfilled the conditions as to courses, examinations, and thesis.

Undergraduates of Williams College who at the beginning of their Senior year require not more than eight semester hours to complete the requirements for the Bachelor's degree may apply some of the remaining courses allowed them toward the Master's degree, receiving the same one year after graduation, provided that they have satisfied the conditions as to courses, examinations, and thesis. Only advanced undergraduate courses will be accepted for the degree, and in no case shall these courses form the whole of either a major or a minor graduate course.

Undergraduates of Williams College who complete their work for the Bachelor's degree at the end of the first semester may continue in residence as candidates for the Master's degree, subject to the following restrictions: (a) Any undergraduate who has completed the requirements for graduation and who wishes to take an undergraduate course to be counted toward the Master's degree shall attend and complete this course in the manner prescribed for undergraduates, except that attendance on the last college exercise before and the first college exercise after holidays and recesses will not be required of him. (b) If he takes one, two, or three undergraduate courses, he shall pay to the College Treasurer the sum of twenty dollars a semester for each course. If he takes more than three courses, he shall pay the tuition required of other undergraduates.

The candidates mentioned in the previous paragraph may receive the Master's degree one year after graduation, provided that they have satisfied the conditions as to courses, examinations, thesis, and fees.

The degree is conferred upon Bachelors of other colleges conferring the Bachelor's degree under conditions equivalent to those required at this college, provided that the approved courses are pursued in residence at Williams College under the specified conditions as to time, examinations, and thesis.

Each candidate must submit two courses of study, which together shall be equivalent to the work of a fifth college year. Of these courses, one, to be known as the major course, must be equivalent to at least twenty semester hours, and the other, to be known as the minor course, must be equivalent to at least ten semester hours.

Each candidate will outline his courses under the direction of the heads of the departments interested and the Committee on Graduate Students, who together shall be empowered to decide whether the candidate may pursue certain advanced undergraduate courses as part of the work leading to the degree.

Candidates for the Master's degree are required to pass their examinations with at least a B grade.

The thesis required of each candidate must treat a subject related to the major course. It must be submitted not later than May fifteenth of the year in which the candidate desires to be examined, and must meet the approval of the professor to whose department it is related and of the Committee on Graduate Students. A copy of the thesis, printed or typewritten on paper of the size generally used in a typewriter, must be deposited in the College Library.

Each candidate must file his registration with the Chairman of the Committee on Graduate Students not later than October fifth of the year in which he desires to enter on his work. The registration must be renewed not later than October fifth of each year for which the applicant desires to be considered a candidate, and, in case of non-resident candidates, the renewal of

the registration must be accompanied by a statement showing the progress that has been made during the year.

Candidates for the degree must pay to the Treasurer of the College twenty dollars at the time of the first registration, and five dollars at the time of the final examination. No further charge is made for the diploma.

The degree must be taken not later than three years after the first registration, unless the period be extended by special vote of the Committee on Graduate Students. The candidate must give notice of his readiness for the final examinations not later than May first of the year during which he expects to receive the degree. The examinations, however, may be taken earlier than the end of the final year of study, subject to the following restrictions: (a) The examination for the major course *in residence* may not be taken earlier than the Spring recess following the date of registration; and that for the minor course *in residence* not earlier than the end of the first semester following the date of registration. (b) The examination for the major course *in absentia* may not be taken earlier than the end of the first semester of the year following the date of registration; and that for the minor course *in absentia* not earlier than the Spring recess of the year of registration.

Candidates in residence who desire instruction will be charged forty dollars for each course, in addition to the prescribed fees for registration and examination. This will entitle them to one weekly period of instruction in each course. An additional charge may be made for the use of laboratory apparatus.

The college catalogue will contain the names of those candidates who take the required courses *in residence*, but not the names of those who pursue work *in absentia*.

Successful candidates for the degree are required to be present at the time when the degree is conferred, unless previously excused by the Board of Trustees.

Communications relative to the Master's degree should be addressed to Professor Monroe Nichols Wetmore, Chairman of the Committee on Graduate Students.

PUBLIC WORSHIP

Chapel exercises are held every week-day morning and Sunday evening in the Thompson Memorial Chapel, and all students are required to be present.

On every Sunday morning, a preaching service is held in the chapel at which the presence of all students not excused to attend elsewhere is required.

PREACHERS TO THE COLLEGE FOR THE YEAR

JANUARY-JUNE, 1919

Rev. Edward H. Griffin, D.D.	Springfield
Dean Charles R. Brown, D.D.	Yale School of Religion
President Clarence A. Barbour, D.D.	Rochester Theological Seminary
Rev. Neil McPherson, D.D.	Springfield
Dean George Hodges, D.D.	Episcopal Theological School, Cambridge
Rev. Willis H. Butler	Boston
Rev. George L. Richardson, D.D.	Philadelphia, Pa.
Rev. Charles G. Sewall	Rye, N. Y.
Rev. Paul R. Frothingham, D.D.	Boston
Rev. Harris E. Adriance	Englewood, N. J.
Right Rev. Charles Fiske, D.D.	Syracuse, N. Y.
Rev. Robert R. Wicks	Holyoke
Rev. William L. Sawtelle	Scranton, Pa.
Rev. John N. Lewis, D.D.	Waterbury, Conn.
Professor Albert P. Fitch, D.D.	Amherst College
Professor G. A. Johnston Ross, D.D.	New York City
Rev. Willard L. Sperry	Boston
Rev. Edwin H. Hughes, D.D.	Malden
Rev. Henry S. Bradley, D.D.	Worcester
Professor J. Douglas Adam, D.D.	Hartford Theological Seminary
Rev. Wendell P. Keeler	Yonkers, N. Y.
Rev. Harry P. Dewey, D.D.	Minneapolis, Minn.
Rev. Raymond Calkins, D.D.	Cambridge
Rev. John H. Randall, D.D.	New York, N. Y.
Rev. S. Parkes Cadman, D.D.	Brooklyn, N. Y.
Right Rev. Charles D. Williams, D.D.	Detroit, Mich.
Dean Howard C. Robbins, D.D.	New York City
President Harry A. Garfield, LL.D.	Williams College

LIBRARY

The College Library contains ninety-two thousand volumes, exclusive of duplicates, and about twenty thousand pamphlets. The card catalogue covers the entire collection, bound and unbound. For the maintenance of the library nine thousand nine hundred and eighty-four dollars was expended during the past year. The Mrs. Amos Lawrence, Jonathan Phillips, J. Ruthven Adriance, D. A. Jones, R. H. Pruyn, Class of 1878, Josiah William Wheeler, Stephen and Mary Stickney Memorial, John Savary, 1883 fund, and Elizabeth and Sarah Pattison funds represent a capital sum of about one hundred and seventy-two thousand dollars, the income from which is increased by gifts, and by special appropriations of the Trustees.

Students have direct access to all books. They may draw three volumes at a time, to be retained, if desired, for two weeks, with the privilege of one renewal. Abundant facilities are afforded for reading, study, and writing during library hours.

The library is open every week-day during the entire year. From September to Thanksgiving, and from the Spring recess to Commencement, the hours are from 8 A. M. to 12 M., from 1 P. M. to 6 P. M., and from 7.30 P. M. to 10 P. M. Between Thanksgiving and the Spring recess the hours are from 8.30 A. M. to 12.30 P. M., 1.30 P. M. to 6 P. M., and from 7.30 P. M. to 10 P. M. On Sundays during the college year the library is open, for reading and reference only, from 2.30 P. M. to 5.25 P. M.

To coöperate with the instruction in particular subjects, selected books bearing on the semester's work are placed on reserve in the various branch libraries. Attendants are in charge of the reading rooms in Griffin Hall where books on history, economics, and government are shelved, and in Goodrich Hall which contains material in modern and ancient languages and on philosophy and religion. Special libraries in the Thompson Laboratories contain books on biology, physiology, chemistry, physics, and astronomy; in Clark Hall on geology; and in Hopkins Hall on mathematics.

A comfortable reading room, well supplied with daily and weekly papers and other current literature, is maintained under the auspices of the Williams Christian Association in Jesup Hall. The Common Room in Currier Hall is likewise supplied with current literature.

In the reading rooms of Lawrence Hall is a valuable collection of paintings, bas-reliefs, Etruscan vases, and Peruvian pottery, the gift of the late Mrs. John W. Field, of Philadelphia.

LABORATORIES

The departments of Biology, Chemistry, and Physics are located in the three buildings presented to the college by the late F. F. Thompson, Esq., of New York, N. Y.

The Biological Laboratory contains three laboratories for the various courses offered, a general lecture room, a library and reading room where much of the current literature of biology is kept on file, also a room for illustrative collections, and an aquarium. The work of instruction and research commands the aid of suitable apparatus, such as microscopes, microtomes, ovens, baths, and other necessary appliances, together with a large series of charts, models, and illustrative collections. There is also a complete stereopticon outfit, with projection microscope and arc light.

The Chemical Laboratory is a modern fire proof building well supplied with the various appliances for instruction in chemistry. The building contains four large laboratories, five small laboratories adapted to special purposes, lecture and recitation rooms, and a reference library.

The Physical Laboratory contains a well-appointed lecture room, a recitation room, separate laboratories for the work of the different classes, a department library, and rooms especially arranged for advanced work in electricity, magnetism, light, and chemical physics. Power is furnished by a ten horse-power induction motor. The electrical equipment includes a five kilowatt dynamo, several smaller dynamos and motors, and standard instruments for measuring current-strength, voltage, resistance,

capacity, etc. A storage battery of fifty cells furnishes current for the lecture room and laboratories.

OBSERVATORIES

The astronomical department of the College possesses two observatories for illustration and scientific investigation. The older was built by Professor Albert Hopkins in 1838, and contains an equatorial by Phelps of Troy, N. Y., with an object glass by Alvan Clark, Senior, which has an aperture of 7 inches. This instrument was constructed about 1852 and is interesting as an early example of Clark's optical work. The meridian room of the Hopkins Observatory contains a fine portable transit which can be used as a zenith telescope, together with two clocks and a chronograph. Another room contains the meteorological apparatus. Meteorological observations have been made regularly since 1816.

In another part of the town a plot, comprising five acres and a half, was purchased in 1881 for astronomical purposes. At present this enclosure contains the Field Memorial Observatory, an iron meridian house, built at the expense of the Hon. David Dudley Field, together with a small building for the accommodation of portable instruments. The main instrument of this observatory is a meridian circle by A. Repsold & Sons of Hamburg, with a telescope of 4.8 inches aperture.

In addition, the department of Astronomy is provided with a large number of portable instruments, among which are two telescopes for the simpler observations and three surveyor's transits, one of them a Wanschaff universal with seven-inch limb, latitude level, and microscopes reading to 5" directly. There are also several instruments of reflection, including sextants, sailor's octants, and two prismatic circles, three chronometers, artificial horizons, and other small pieces of apparatus.

GEOLOGICAL MUSEUM

The second floor of Edward Clark Hall is used for the Geological Collections. The collections, though not large, have been

carefully selected and arranged and contain many choice specimens of minerals, rocks, and fossils.

Of special interest are (1) the collection of precious and semi-precious cut stones donated largely by Mr. R. Clifford Black, 1900, which is being gradually enlarged by additional stones secured by purchase or gift; (2) the collection of 175 polished specimens (4 x 6 inches) of foreign and domestic marbles presented to the College by Mr. Francis E. Bowker, 1908; (3) polished sections of tree trunks of petrified wood from the petrified forest of Arizona; (4) the McGregor restorations of the skulls of Paleolithic Man; (5) restoration of dinosaurs, fishes, and other vertebrates; (6) the local collection of rocks and minerals; and (7) a relief map of the region about Williamstown on a scale of two inches to the mile.

The nucleus of the mineral collection was the Wilder Cabinet, which was purchased and presented to the college by Edward Clark, the donor of the building that bears his name. In the early days of the college Professor Ebenezer Emmons presented his collection of North Carolina fossils as well as some from New York State, and from this the present collection of fossils grew. Through the generosity of the late Mr. Morris K. Jesup, as well as by means of the annual appropriations, vertebrate and invertebrate fossils have been purchased; and this section of the Museum has been made more valuable for class-room as well as for exhibition purposes. Mr. T. Nelson Dale's donation of local rocks has made the collection of local rocks and minerals nearly complete.

A collection of modern shells, the gift of missionary alumni and others, is on exhibition.

Models illustrating mountain structure, folding, and faulting, relief maps, crystal models, and other devices for illustrating geological features, are either on exhibition or are available for those who are interested.

The museum is open to the public each week-day of the college year from 10 to 12 A. M. and from 2 to 4 P. M.

AUDITORIUM

Grace Hall, the gift of Hon. A. C. Chapin, of the Class of 1869, contains an auditorium seating about 1300 and is equipped with an organ of unusual size and quality. Here are held the Commencement exercises, organ recitals, concerts, and dramatic entertainments. A smaller hall in the building is used chiefly for debating purposes.

GYMNASIUM

The Lasell Gymnasium, erected and equipped at a cost of \$50,000, chiefly by the munificence of the widow of the Hon. Josiah Lasell, of the Class of 1844, and of his son, Josiah Manning Lasell, of the Class of 1886, furnishes abundant facilities for physical development. The apparatus is the outcome of the study and invention of the best teachers of gymnastics. Pulley weights of the best pattern, adjustable to varying strength, light Indian clubs, dumb-bells, both of wood and of iron, horizontal and parallel bars, rings, and apparatus for developing special muscles, are used under the immediate supervision of a competent instructor. An inclined padded running-track 229 feet in length, and a swimming pool 65 by 22 feet, are important features of the building. It is provided with hot and cold water, tub, sponge, and shower baths, and five hundred and fifty steel lockers. Soon after entering college each student is carefully examined and measured by the Director, in order that the exercise may be adapted to individual peculiarities, and a symmetrical development secured. Gymnastic exercise is required of the Freshman class until the Spring recess.

FIELD SPORTS

The smaller athletic fields near the college buildings afford opportunity for practice in tennis and baseball, while Weston Field, and the tract known as the John M. Cole Field, afford opportunity for baseball, football, and track athletics. The golf links and tennis courts of the Taconic Club are open, on moderate terms, to student players.

COLLEGE INFIRMARY

Each student cared for at the Thompson Infirmary is charged two dollars a day. In case a physician is called in or a special nurse is needed, the expense is to be borne by the person requiring the same, and the Infirmary is to be reimbursed for all expense and at the rate of nine dollars a week for the nurse's board. In case of contagious disease, nurses charge extra for services. Board bills are to be paid to the College Treasurer.

A medical staff has been appointed by the Trustees of the College, composed of the following physicians: Dr. Vanderpoel Adriance, Dr. Frederic H. Howard, Dr. Frank W. Olds.

A physician other than a member of the staff may attend a student at the Infirmary, provided a written request to that effect, designating the physician, is received by the Dean of the College from the parent or guardian of the student.

THOMPSON COURSE OF ENTERTAINMENTS

This course, which for many years was sustained by the liberality of the late F. F. Thompson, Esq., of New York, N. Y., provided concerts and other entertainments during the winter. Mrs. Thompson has generously offered to continue the course for the current year.

Last year the entertainments were:

1918

- Oct. 19. Lecture, Arthur Delroy, "In the Realm of the Psychic."
- Oct. 26. S. A. T. C. Sing, under the direction of John B. Archer, Director of S. A. T. C. Singing for New England, assisted by James Morton, Tenor.
- Nov. 2. Lecture, Major Donald Guthrie, "With the Canadians."
- Nov. 9. Reading, Leland T. Powers, "Monsieur Beaucaire."
- Nov. 30. Concert, Madame Eva Gauthier, Soprano.

1919

- Feb. 5. Concert, The Russian Symphony Orchestra, Modest Altschuler, Conductor.
- Feb. 18. Concert, Lucy Gates, Soprano.
- Mar. 4. Lecture, John Kendrick Bangs, "Light and Shade in the Land of Valor."

CLASSICAL SOCIETY

The Classical Society, composed of instructors and students in the elective Greek and Latin courses, has for its object the increase of interest in the study of the classics. It holds regular meetings for the reading of classical authors, for the discussion of papers, and for reports in the fields of Greek and Latin philology and archæology.

PHI BETA KAPPA

The Williams, or Gamma of Massachusetts, chapter of Phi Beta Kappa was established July 21, 1864. The highest standing one-fourteenth of each class is elected to membership at the end of the Junior year. Sufficient men to make up one-seventh of the class are elected after the mid-year examinations of the Senior year, provided that none fall below the minimum standing prescribed by the society.

HONORS

Honors for high scholarship will be awarded by the Faculty at the end of each college year. The names of the recipients will be read at the Commencement exercises and will be printed in the next annual catalogue. The names of Seniors taking honors may also be printed on the Commencement program.

DEGREES WITH DISTINCTION

The Faculty will recommend to the Trustees that the degree of Bachelor of Arts *cum laude* be conferred upon all members of the graduating class who have received grades equivalent to three-fourths of their semester-hours of grade B and one-fourth of grade C; that the degree *magna cum laude* be conferred upon those who have received grades equivalent to one-half of their semester-hours of grade A and one-half of grade B; and that the degree *summa cum laude* be conferred upon those who have received grades equivalent to three-fourths of their hours of grade A and one-fourth of grade B.

SOPHOMORE HONORS

Sophomore honors will be awarded at the end of Sophomore year to all students who have attained grades of the same excellence as is required for the degrees with distinction at graduation.

FINAL HONORS IN SPECIAL FIELDS

Final honors will be awarded to all students who attain the grade of A or B in the Junior and Senior courses of their Major Group.

Highest final honors will be awarded to all students who attain a grade of A in all the courses of their Major Group.

PRIZES

RHETORICAL PRIZES

On Friday evening preceding Commencement, ten speakers, appointed equally from the Junior and the Sophomore classes, deliver original orations in competition for five prizes. The income of two thousand dollars, a part of which was given by Elizur Smith, Esq., of Lee, is appropriated for these prizes.

The Trustees of the college offer two prizes of twenty dollars and ten dollars respectively to members of the Freshman class for excellence in declamation.

BENEDICT PRIZES

The late Hon. Erastus C. Benedict, of the Class of 1821, once an instructor in the college, established seven first prizes of twenty-five dollars each, which may be awarded annually for excellence in the following departments: Latin, Greek, French, German, Mathematics, Natural History, and History; and seven second prizes of fifteen dollars each, which may be awarded in the same departments.

He also founded a prize of twenty-five dollars, to be given annually to that member of the college who, at the close of each college year, shall be found to have received the largest number of prizes.* Honorable mention is here counted as a prize. In

* For the present an additional sum of \$75.00 will be given each year by a friend of the college to increase the prize to \$100.00.

case of a tie, the relative grades of the prizes will be taken into account, and honorable mention in Latin or Greek and a Rice book prize will not both be counted.

BOOK PRIZES FROM THE RICE FUND

Six book prizes will be awarded from the Rice fund for excellence in Latin and Greek to students who are not recipients of the Benedict prizes in those subjects.

GRAVES PRIZES

The late Arthur B. Graves, Esq., of the Class of 1858, founded seven prizes, amounting to two hundred dollars, which may be awarded as follows: six prizes of twenty dollars each for the best six essays prepared by members of the Senior class, on subjects assigned by the Faculty; and one prize of eighty dollars to the student who shall deliver his essay in the most effective manner before a public audience. The essays must be deposited in the library.

VAN VECHTEN PRIZE

A prize amounting to seventy dollars, established by A. V. W. Van Vechten, Esq., of the Class of 1847, may be awarded for extemporaneous speaking. The assignment of this prize will be made by a committee of the Faculty on the basis of a public competition.

RICE PRIZES

The income of five thousand dollars, left to the college by the late James Lathrop Rice, Esq., is by his will appropriated to the encouragement of Latin and Greek scholarship. Of this income sixty dollars may be awarded at Commencement of each year to the member of the Senior class who shall have shown the fullest and most accurate knowledge of certain Latin classics; and forty dollars to the member of the same class who shall have attained the second rank in the knowledge of the same authors; sixty dollars may be awarded at the same time to the member of the Senior class who shall have shown the fullest and most

accurate knowledge of certain Greek classics; and forty dollars to the member of that class who shall have attained the second rank in the knowledge of the authors in question. The same student may compete for the prizes in both departments, but no prize will be assigned to a student who has not taken the subject for the four years of the college course. One of the elective year-courses, however, may be passed off by examination; but a course so passed may not count toward a degree.

DEWEY PRIZE

The late Hon. Francis Henshaw Dewey founded a prize of fifty dollars to be awarded to the member of the graduating class who presents the most creditable oration in point of composition and delivery at the Commencement exercises.

LATHERS PRIZE AND MEDAL

The income of a fund of one thousand dollars, received from the late Col. Richard Lathers, is to be used each year as a cash prize of about fifty dollars and also for the making of the Lathers bronze medal from a mould or die, for the manufacture of which Col. Lathers gave an additional sum of one hundred dollars. This cash prize and medal will be offered in competition to all members of the Senior class who hand to the Secretary of the Faculty, on or before the first day of March preceding their graduation, a written essay of not less than one thousand words on a subject indicated by the Faculty concerning the duty or relation of citizens to the government, and will be assigned to that writer whose essay is pronounced by a committee of the Faculty to be the most worthy of publication. The essay selected shall then be sent by the Secretary of the Faculty to the *Springfield Republican*, or to a journal published in Pittsfield, with the request that it may appear in an early issue of such newspaper. In case none of the competing essays is adjudged worthy of publication, no medal for that year will be awarded.

The subject for the current year is, "The political duties of citizens of the United States."

DAVID A. WELLS PRIZE

In accordance with the will of the late David A. Wells, of the Class of 1847, a prize of \$500 will be awarded annually for the best essay upon a subject in any one of a number of branches of Political Science.

The will provides that if no essay deemed worthy of the prize be presented in any year the award shall be withheld for that year. The successful essay will be printed and circulated by the college out of the residual income of the fund.

Competition is limited by the terms of its foundation to Senior undergraduates, and to graduates of Williams College of not more than three years' standing.

The following provision of the will of the founder of the competition governs the committee in the selection of subjects and in the consideration of essays:

"No subjects shall be selected for competitive writing or investigation and no essay shall be considered which in any way advocates or defends the spoliation of property under form or process of law; or the restriction of commerce in times of peace by legislation, except for moral or sanitary purposes; or the enactment of usury laws; or the impairment of contracts by the debasement of coin; or the issue and use by Government of irredeemable notes or promises to pay intended to be used as currency and as a substitute for money; or which defends the endowment of such 'paper,' 'notes,' and 'promises to pay' with the legal tender quality."

The subject for the competition for the prize for 1921 will be announced during the winter of 1919-1920. President Garfield will furnish competitors with the titles of authorities on the subject on application.

The essays in the competition must be sent by March 15, 1921, to the president of the college, to whom all communications should be addressed.

The competition for the prize of 1921, with the qualifications already stated, is open to the members of the Classes of 1918, 1919, 1920, and 1921.

CANBY ATHLETIC SCHOLARSHIP PRIZE

A prize of fifty dollars, established by W. Marriot Canby of the Class of 1891, may be awarded at Commencement to that member of the Senior class who shall have attained the highest average standing in scholarship during his course, and who shall have fulfilled the requirements of eligibility.

Any member of the Senior class who has been in college since the beginning of his Junior year, and who, at any time during his college course, has represented the college in any recognized intercollegiate athletic contest, shall be eligible.

JOHN SABIN ADRIANCE PRIZE IN CHEMISTRY

Mr. John Sabin Adriance, of the Class of 1882, has given a fund of one thousand dollars, the income of which is to be given to that person who, in the opinion of the instructors in the chemical department, has maintained during his course the highest rank in all the courses offered in that department.

CONANT-HARRINGTON PRIZE IN BIOLOGY

This prize, which yields twenty-five dollars annually, has been founded by the Class of 1893, in memory of their deceased classmates, whose names it bears. The award of this prize is made, upon the recommendation of the Professor of Natural History, to that member of the Senior class who, in his judgment, is best fitted to profit by advanced biological study. The money thus awarded will be used to pay the tuition fee of such student at the Marine Biological Laboratory, Woods Hole.

GREEK PRIZES

The sum of one hundred dollars, contributed annually, for the present, by Eugene Delano, Esq., of the Class of 1866, is awarded in three prizes of fifty, thirty, and twenty dollars respectively, to the members of the Junior class who have shown the greatest excellence in the Greek studies of the Sophomore and Junior years.

FRANCIS W. RAWLE MEMORIAL CUP

By the gift of Messrs. Felton Bent and Henry D. Riley, of the Class of 1895, a cup, to be known as the Francis W. Rawle Memorial Cup, will be awarded annually on the thirtieth day of May to that member of the Freshman class who, in the opinion of the Athletic Council and the Faculty, or a committee thereof, shall have shown during his first full year in college the most marked progress in those branches of athletics that now are, and hereafter may be, prescribed by the Faculty as courses to be taken by the Freshman class. It is further required that the recipient of the cup shall have maintained during his first year an average of at least C in his college work.

FRATERNITY SCHOLARSHIP CUP

A silver Scholarship Cup, presented by a member of the Class of 1899, will be awarded annually to that fraternity which, in the opinion of the Committee on Prizes, exhibits the highest scholarship as evidenced by the comparative grades received by members of the various fraternities. The cup will be presented for permanent possession to the first fraternity which wins it for three different years.

HORACE F. CLARK PRIZE SCHOLARSHIPS

Two Horace F. Clark Prize Scholarships, in honor of Horace F. Clark, Esq., of the Class of 1833, have been established under the provisions of the will of Madame Marie Louise Souberbeille, his daughter.

These two scholarships of \$500, which in exceptional cases may be combined in a single prize of \$1,000 or may be continued to the same holder for more than one year, are awarded annually to such member or members of the Senior class as may be chosen by the Faculty on the basis of superior scholarship, general ability, and interest in scholarly research, the sum to be paid in instalments at the end of each quarter. Competitive examinations on designated subjects connected with the regular studies

of the course and supplementary thereto may be required to test the ability of the candidates.

WILLIAMS COLLEGE GREEK FELLOWSHIP

The sum of \$800 is contributed annually to enable a member of the graduating class, who shows scholarly promise and has distinguished himself in the fields of Latin and Greek classics, to pursue his studies at Athens, at the American School of Classical Studies. The appointment is made by the Faculty on the recommendation of the Departments of Greek and Latin, and may be withheld if there is no suitable candidate. The fellowship is paid in two instalments, at Commencement and in January.

SCHOLARSHIPS

HONOR SCHOLARSHIPS

Several "Honor Scholarships" have been founded by alumni and friends of the college, in order to afford pecuniary aid, and to recognize successful scholarship. But under the present system all scholarships are considered "Honor Scholarships," and therefore these special "Honor Scholarships," five in number, are now merged in the general list in accordance with previous announcements.

GENERAL SCHOLARSHIPS

The income from the endowments included in the appended list, amounting to about \$9,750 annually, is distributed, by direction of the Trustees, to those students who are known to need aid.

The regulations are as follows:

1 Applications must be made in advance to the Committee on Scholarships upon forms provided by the Chairman. Scholarships granted at the beginning of the college year will be continued through the year, except when forfeited for causes mentioned in paragraph 7. All scholarships lapse at the close of the college year. Application for renewal, including a complete statement of income and expenditure for the year preceding, must be filed before July 1st upon forms provided by the Chairman.

2 All promises of scholarships to students before their admission are provisional. If entrance conditions or college deficiencies are standing against the candidate when the college year opens, his scholarship may thereby be forfeited.

3 All holders of scholarships are expected to carry five courses, except that for the second semester of the Senior year, four instead of five courses may be sufficient.

4 Freshmen receive a stipend of seventy dollars for the first semester. If warranted by grades attained in the first semester, this stipend may be increased for the second semester, according to the scale given below.

After the Freshman year, stipends range from one hundred and forty to two hundred dollars per annum, payable by semesters, and are regraded at the beginning of each year on the basis of the standing attained during the previous year, according to the following scale:

Group 1 \$100.00 per semester	Group 4 \$77.50 per semester
Group 2 92.50 per semester	Group 5 70.00 per semester
Group 3 85.00 per semester	

5 A Freshman or a Sophomore who fails to obtain grades as high as C in at least six semester courses will lose his scholarship for the following year. (See 8 below.)

6 After the Sophomore year, a student who fails to obtain grades as high as C in at least eight semester courses will lose his scholarship for the following year.

7 Any one of the following causes may prevent the consideration of an application, or cause the forfeiture of a scholarship already awarded:

(a) Evidence satisfactory to the Committee that the scholarship is not needed;

(b) Gross neglect of work;

(c) Any serious misconduct;

(d) Indulgence in intoxicating liquors;

(e) Expensive habits. Holders of scholarships must satisfy the Committee that they are exercising strict economy in respect to room, board, and general living expenses.

8 A scholarship may be restored after the lapse of a semester, if the cause of forfeiture has been removed.

Lists of all holders of scholarships, except Freshmen, are printed in the catalogue in groups according to grades.

LIST OF SCHOLARSHIP FUNDS

The John C. Baldwin Fund, 1871	\$27,915.14
The William Hilton Fund, 1897, 1899	25,710.00
The Alumni Scholarship Fund, 1870	10,000.00
The Stephen Stickney Family Memorial Fund, 1910	10,000.00
The Mrs. Abby Burrall Mills Fund, 1876	8,300.00
The Massachusetts Fund, 1869	7,500.00
The Woodbridge Little Fund, 1811, 1813	6,000.00
The Ebenezer R. Goodnow Scholarship Fund, 1894	6,000.00
The William Eadie Leech Scholarship, 1918	6,000.00
The Moses Day Fund, 1880	5,000.00
The Milton B. Whitney Fund, 1916	5,000.00
The Thomas Thornton Read Permanent Fund, 1888	5,948.93
The Mary Brown Ward Warner Scholarship, 1909	5,133.13
The Wolcott H. Johnson Scholarship	5,000.00
The Three Commonwealth Scholarships, 1861	4,500.00
The Horace Nathaniel Pennoyer Scholarship, 1895	3,500.00
The Francis Henshaw Dewey Scholarship, 1888	3,000.00
The Henshaw Scholarship, 1888	3,000.00
The Joseph White Memorial Scholarship, 1903	3,000.00
The Dr. Edward Newton Beale Scholarship, 1916	3,000.00
The Thomas Thornton Read Scholarship, 1875	2,500.00
The Scholarship of the Class of 1851	2,500.00
The Scholarship of the Class of 1852	2,500.00
The Mrs. Louisa F. Bartlett Scholarship, 1874	2,500.00
The Homer Bartlett Scholarship, 1861, 1874	2,500.00
The William Hyde Scholarship, 1869, 1875	2,500.00
The Mrs. William Hyde Scholarship, 1880	4,756.25
The Orrin Sage Scholarship, 1853, 1875	2,500.00
The Miss Sarah Ruth Sage Scholarship, 1880	4,756.25
The Hancock Scholarship, 1875	2,500.00
The Olin White Geer Memorial Scholarship, 1884	2,500.00
The Paul Ansel Chadbourne Scholarship, 1889	2,500.00
The Charles Henry Thomson Scholarship, 1871	2,500.00
The James Ruthven Adriance Memorial Scholarship, 1880	2,500.00
The Samuel Dennis Warren Scholarship, 1870	2,500.00
The Charles Franklin Gilson Scholarship, 1881	2,500.00
The Scholarship of the Class of 1867	2,500.00

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The Scholarship of the Class of 1862.....	\$2,500.00
The Ephraim Flint Scholarship, 1904.....	2,500.00
The Abraham Lansing Scholarship, 1906.....	2,500.00
The Henry P. Brush Scholarship, 1885.....	2,375.00
The Amos Lawrence Scholarships, 1847.....	2,000.00
The War Memorial Scholarship, 1919.....	1,231.85
The Charles Augustus Dewey Scholarship, 1886, 1870.....	1,500.00
The Charles A. Jessup Scholarship, 1879.....	1,000.00
The Mrs. Robert Means Fund, 1857.....	1,000.00
The Abraham Baldwin Olin Scholarship, 1866.....	1,000.00
The George H. Rosseter Scholarship, 1873.....	1,000.00
The Newton Henry Rosseter Scholarship, 1870.....	1,000.00
The Mrs. Charlotte Cone Scholarship, 1856.....	1,000.00
The Charles Stoddard Scholarship, 1866.....	1,000.00
The Emory Washburn Scholarship, 1877.....	1,000.00
The Mrs. Sarah Woodhull Arms Scholarship, 1877.....	1,000.00
The Cyrus Taggart Mills Scholarship, 1886.....	1,000.00
The Michael Edward Driscoll Fund, 1896.....	1,000.00
The George Anderson Scholarship, 1906.....	1,000.00
The John Dudley Hardy Fund, 1902.....	1,000.00
The Col. Henry Root Scholarship Fund, 1907.....	1,987.78
The Benjamin Howard Fund, 1902.....	952.50
The Ezra Starkweather Fund, 1835.....	943.60
The Franklin Marcellus Olds Fund, 1886.....	700.00
The Charles Milton Turell Scholarship, 1916.....	600.00
The Charles Merriam Scholarship, 1860.....	550.00
The J. Barker and Brothers Scholarship, 1856.....	500.00
The W. W. Mason Scholarship, 1856.....	500.00
The B. F. Bancroft Scholarship, 1856.....	500.00
The Bela Peck Williams Scholarship, 1859.....	500.00
The Thomas W. Williams Scholarship, 1859.....	500.00
The John Tatlock, Jr., Fund, 1892.....	500.00
The Charles Andrews Heath Fund, 1897.....	500.00
The Ira Jewett Geer Fund, 1902.....	500.00
The Fund of the Class of 1840.....	500.00
The Fund of the Class of 1857.....	500.00
The Fund of the Class of 1860.....	450.00
The Funds of six other classes.....	337.00
The Frank Benjamin Yates Fund, 1897.....	500.00
The Mrs. Betsey Barnes Fund, 1879.....	300.00
The Fund of the Class of 1848.....	300.00
The Fund of the Class of 1847.....	200.00
Total.....	\$240,947.43

The Horace F. Clark Prize Scholarship Fund of \$20,000 is not a part of the General Scholarship Fund, its income being distributed as prizes to all successful competitors without regard to their pecuniary circumstances, as is explained on page 119.

EXPENSES

Tuition, \$75 per semester	\$150.00	\$150.00
Room charge, \$25 to \$80 per semester	50.00	160.00
Board, \$8 per week (38 weeks)	304.00	304.00
Stationery, books, magazines, etc.	30.00	30.00
Laundry, repair of clothes, etc.	40.00	50.00
*Athletic tax, about 15% of room charge	7.50	24.00
Light	5.00	9.00
Total, from	\$582.50	\$723.00

These items represent the most essential expenses for the year. To them must be added the cost of furnishing a room. Other expenditures must depend entirely upon the personal tastes and habits of the student.

In addition to these items a fee is charged for the use of apparatus and materials in connection with the following courses:

<i>Art 1-2</i>	\$7.00		
<i>Art 3</i>	3.00		
<i>Art 4</i>	3.00		
<i>Biology 1-2</i>	5.00		
<i>Biology 3-4</i>	5.00		
<i>Biology 5-6</i>	5.00		
<i>Biology 7-8</i>	5.00		
<i>Chemistry 1</i>	3.00		
<i>Chemistry 2</i>	10.00	and	breakage
<i>Chemistry 3-4</i>	10.00	"	"
<i>Chemistry 5</i>	10.00	"	"
<i>Chemistry 6</i>	5.00	"	"
<i>Chemistry 7</i>	5.00	"	"
<i>Chemistry 8</i>	5.00	"	"
<i>Chemistry 10</i>	5.00	"	"
<i>Geology 3</i>	5.00		
<i>Physics 1-2</i>	5.00		
<i>Physics 3-4</i>	10.00		
<i>Physics 5-6</i>	10.00		

* The athletic tax is imposed by vote of the student body for the purpose of defraying the expenses of the various athletic organizations. Students working their way through college,

An additional charge of \$10.00 is made on the last semester bill of the Seniors to cover expenses of graduation.

Every student's bill is mailed to him at the beginning of each semester, and he is held responsible for prompt payment, which is required in advance. In case any student fails to pay by the end of the second week after the date of the bill, he may be excluded from all college exercises. No part of a term bill will be refunded for any cause.

Special damage done to college property by students will be charged to them.

Those who enter on an advanced standing, unless they come from another college, pay the following sums as entrance fees viz.: Sophomores, \$10; Juniors, \$20; Seniors, \$30.

Every student taking courses amounting to more than 15 hours per week at the beginning of any semester will be charged a supplementary fee of \$10 for the extra instruction of that semester; and every student taking courses amounting to more than 18 hours per week at the beginning of any semester will be charged a supplementary fee of \$20 for the extra instruction of that semester.

COLLEGE ROOMS

The college has seven buildings used as dormitories. There are ten triple rooms, one hundred and fifty double rooms, and thirty-one single rooms. These accommodate about three hundred and sixty students. The buildings are heated from a central heating plant. Each man provides his own light. Each building has bath-room and toilet conveniences.

Necessary repairs are made by the college, but all additional work is at the expense of those who occupy the rooms.

There are three methods of securing rooms: by occupancy, by lot, and by application.

1 Up to May 1st of each year the two occupants of any room may retain their room for the ensuing college year by renewing their application and paying half of the yearly charge. One

however, are exempted from this tax, and those holding scholarships are exempted from 25% of the normal tax.

student may hold his half of a double room by securing a roommate from his own class or from an upper class.

2 The rooms not thus re-engaged are offered to the classes in college in order of their seniority, the choice in each instance being determined by lot.

3 All rooms not taken by the men in college are open to the entering class in the order of application. This application does not constitute a promise on either part, but it gives the applicant an opportunity to select a room if, when the time of choice comes, there is any room open that he desires. An early application is wise. If he wishes a double room, he must select his own room-mate at the time the application is filed, or take the next man on the application list.

To secure a room the applicant must sign the following paper:—

The undersigned hereby applies for the assignment to him of one-half of Room No. in for the college year subject to all the published room regulations, and for his personal use and occupancy as a student, and agrees to pay therefor as a part of the annual charges during said year against the undersigned as a student the sum of \$ payable in half-yearly payments. The first half-yearly payment shall be payable when the assignment is made and no part thereof shall be refunded under any circumstances.

The payment of one-half of the yearly charge when the assignment is made is required of all who take college rooms, both those already members of the college and those intending to enter.

The man who signs for a room must occupy it himself; he cannot transfer it. No double room is secured until both applications are on file with the Treasurer. Each occupant of a college room is held responsible for all damage done to his room.

Students who leave college at the end of the college year, as well as those who are to change from one room to another, or from a college room to a private house or a society house, must remove all furniture and other property from their rooms immediately after Commencement. Furniture not thus removed by the owner will be removed by the college employees and stored at the owner's expense. This expense will be collected of stu-

dents who leave college when the property is taken away, but in cases of other students it will be charged in the next term bill. All things sent for the students during vacation should be sent in the care of the Superintendent of Buildings.

All students are required to reside in the college dormitories during their first two undergraduate years, unless excused by the Committee on Administration for reasons to be presented in writing by the applicant.

Descriptive lists and price lists of rooms and general information may be obtained on application to the Treasurer.

COMMONS

The College Commons in Currier Hall accommodates about one hundred and fifty men. The management is in the hands of the Commons Club, a student organization, which arranges with a caterer for board. The present weekly charge is \$8.00. In addition to the dining room, a large and attractively furnished common room is maintained.

WILLIAMS INN

The Williams Inn, formerly the Williams Alumni House, owned by a corporation composed of alumni of the college, is a public inn and is open throughout the year.

HOLDERS OF SCHOLARSHIPS

1918-1919

The following list of holders of scholarships is considered an honor list. It includes the names of none who have not been in college for at least a year, and of none who failed to satisfy the requirements stated on pages 120-121. It therefore excludes the names of all Freshmen and other new students, though they may be receiving the pecuniary advantages of scholarships.

It excludes also the names of a few students who hold scholarships by special vote of the Trustees.

The list is based on the work of the last year, as explained in section 4 on page 121.

A few scholarships are dependent upon local considerations or personal nomination. Incumbents of such scholarships are placed in the groups which correspond to their standing, without regard to the actual value of the scholarships which they hold.

WILLIAM COLLEGE

GROUP I

1920

Oliver T. Underhill Lee

GROUP II

1920

William Van Buren Field
Benjamin Brown Fairwright

1921

Earned Rutcliffe Coan

1922

John Lawson Cameron

GROUP III

1920

Samuel Wagner Anderson
Carter Lee Marshall
Lawrence Mercer
James Leland Rose

1921

John Wensley Crafts
Roger Cleveland Moore

1922

John Ellis Wilson
Walter Bernard Wolfe

GROUP IV

1920

Therese Randall Bundy
William Farnsworth Fowle
Everett Hughes Potter
Wellsworth Coyle Phelps Thomas

1921

George William Alderman
Richard Horrocks Balch
John Hartney Finn
Robert Bruce Hyndman
Charles Francis O'Connor

1922

Kenneth Daggett Beckwith
Earl Wendel Count
Henry Crampton Lawder

GROUP V

1920

Horace Hallock Brown
Roy Melvin Grindy
Verne Verbeek Heimstreet
Nickels Batchelder Huston
Ralph Clinton Mason
Abraham Harry Meirowitz
Edward Welles Power

1921

Charles Casper Noble
Louis Gabriel Wagner
Franklin William Warren

1922

Edward Haven Dickinson
Legrand Durby Feeley
Douglas Anderson Hyde
William Landesman
Henry Miller Lawder
Adelbert Lewis Merriam
Herman Jones Nichols
Eric Howard Pattison
Harrison Kimball Sayen
Bruno Moritz Schmidt
Edward Rees Seaman
Samuel Irwin Solomon
Roger Wood Wentworth
James Burnham Williams

PRIZES AWARDED AT COMMENCEMENT, 1919

RHETORICAL PRIZES

General Prize

Nelson Sherwin Bushnell Class of 1920

Junior Prizes

FIRST PRIZE—Charilaus George Raphael Class of 1920

SECOND PRIZE—Walter Page Hedden Class of 1920

Sophomore Prizes

FIRST PRIZE—Webster Atwell Class of 1921

SECOND PRIZE—Arthur Louis Thexton Class of 1921

Prize for Freshman Declamation Contest

FIRST PRIZE—James Hendrick Terry Class of 1922

SECOND PRIZE—Hiram William Lyon Class of 1922

BENEDICT PRIZES

In Latin

FIRST PRIZE—Alfred Cary Schlesinger Class of 1921

SECOND PRIZE—equally divided between:

Charles Lincoln Taylor, Jr. Class of 1921

Ralph Smith Munger Class of 1921

HONORABLE MENTION—George Bentley Searls Class of 1921

In Greek

FIRST PRIZE—Alfred Cary Schlesinger Class of 1921

SECOND PRIZE—Cameron Parker Hall Class of 1921

In French

FIRST PRIZE—Gilbert Claude Poncet Class of 1922

SECOND PRIZE—Howard Radcliffe Coan Class of 1921

HONORABLE MENTION—Nelson Sherwin Bushnell Class of 1920

In German

FIRST PRIZE—Charles Alfred Greeff Class of 1919

SECOND PRIZE—Charles Francis O'Connor Class of 1921

In Mathematics

FIRST PRIZE—Ralph Smith Munger Class of 1921

SECOND PRIZE—Knowlton Mixer, Jr. Class of 1921

HONORABLE MENTION—Howard Radcliffe Coan Class of 1921

In Natural History

FIRST PRIZE—John Gaston Merselis Class of 1919

SECOND PRIZE—Harvey Spencer Class of 1919

In History

FIRST PRIZE—James Dunlop Ewing Class of 1919

SECOND PRIZE—Louis Fenn Sperry, Jr. Class of 1919

PRIZE FOR PRIZES

Divided equally among Charles William Bonner, Jr., Class of 1919, Charles
Alfred Greeff, Class of 1919, and Charles Kenneth Parker, Class of 1919

GRAVES PRIZES

For Essays—Class of 1919

Edwin G. Hughes, Jr.

Charles Kenneth Parker

Edgar Young Pattison

For Excellence in Delivery

Charles Kenneth Parker

VAN VECHTEN PRIZE FOR EXTEMPORANEOUS SPEAKING

Charles William Bonner, Jr. Class of 1919

RICE PRIZES

Not awarded

Book Prizes from the Rice Fund

Nesbit Hoyt Bangs Class of 1919

Henry Adams Brown, Jr. Class of 1921

Roger Cleveland Moore Class of 1921

Henry Russell Platt, Jr. Class of 1919

Arthur Hall Richardson Class of 1921

George Bentley Searls Class of 1921

DEWEY PRIZE FOR EXCELLENCE IN THE COMMENCEMENT
EXERCISES

Charles William Bonner, Jr., Class of 1919

LATHERS MEDAL AND PRIZE

Not awarded

WILLIAMS COLLEGE

DAVID AMES WELLS PRIZE

Not awarded

CANBY ATHLETIC SCHOLARSHIP PRIZE

Charles Alfred Greeff.....Class of 1919

JOHN SABIN ADRIANCE PRIZE IN CHEMISTRY

Cyrus Porter Smith.....Class of 1919

HONORABLE MENTION:

Allyn Coats Swinnerton.....Class of 1919

Francis Baretto Stewart.....Class of 1919

CONANT-HARRINGTON PRIZE IN BIOLOGY

Not awarded

DELANO PRIZES IN GREEK

FIRST PRIZE—Otho Fairfield Humphreys, Jr.....Class of 1920

PHILOLOGIAN-PHILOTECHNIAN EXTEMPORANEOUS SPEAKING
PRIZE

Contest not held

FRANCIS W. RAWLE MEMORIAL CUP

Not awarded

FRATERNITY SCHOLARSHIP CUP

Phi Delta Theta Fraternity

HORACE F. CLARK PRIZE SCHOLARSHIPS

Wendell Morris Coates.....Class of 1919

Allyn Coats Swinnerton.....Class of 1919

THE WILLIAMS GREEK FELLOWSHIP

Not awarded

HONORS

FINAL HONORS IN SPECIAL FIELDS

FINAL HONORS

Kenneth Adams Bernard—*Chemistry*
James Dunlop Ewing—*History*
Charles Alfred Greeff—*Philosophy*
Cyrus Porter Smith—*Chemistry*
Allyn Coats Swinnerton—*Chemistry*
Arthur Meeker Walker—*History*
Leonard Ford Wright—*Physics*

SOPHOMORE HONORS

Class of 1922

Hugh Bullock	Roger Cleveland Moore
Howard Radcliffe Coan	Ralph Smith Munger
John Wensley Crofts	William Holden Noble
William Dale Dana	Fernald Ellsworth Painter
Louis Bryant Freeman	Arthur Hall Richardson
Rockwell Kent	Alfred Cary Schlesinger
Everett Wilmer MacNair	George Bentley Searls
Knowlton Mixer, Jr.	Charles Lincoln Taylor, Jr.
	Arthur Louis Thexton

DEGREES CONFERRED IN 1919

DEGREES IN COURSE

BACHELOR OF ARTS

Charles Ross Albert
 Nesbit Hoyt Bangs
 Thomas Walsh Bartram
 Charles William Bonner, Jr.
 George Byron Bowen
 Willard Newhall Boyden
 William Conant Brewer, Jr.
 Edward Cleveland Brown
 Joseph Mortimer Callahan
 Frederick Dare Chapman
 Richard Ward Chapman
 Mitchell Vaughn Charnley
 John Burleigh Clapp
 Frederick Hale Clark
 Leighton Hammond Coleman
 Homer Collins, Jr.
 Alfred Buckhout Cornell
 Dudley Bruce Donald
 Howard Merrell Fillebrown
 Robert Chickering Fitch
 Otto Henry Hafner
 Albert Henry Hedden
 William Gordon Hegardt
 William Lathrop Hoyt
 Edwin G. Hughes, Jr.
 Harold Rittenhouse Keen
 William Scott Keith
 Thomas Glentworth Kimball
 Samuel Knox Kreutzer
 Joseph Leeming
 Philip Owen Longyear
 Charles Lockhart McKelvy

Rufus Baker Manning
 John Gaston Merselis
 Kenneth Peters Miller
 John Thacher Morris
 John Henry Orr, Jr.
 Charles Kenneth Parker
 Edgar Young Pattison
 Raymond Willis Phelps
 George Francis Pieper, Jr.
 Webster Clay Powell
 Edwin Powers
 Spencer Ward Prentiss
 Jean Baptiste Reboul
 Hadwin Houghton Richardson
 Philip Howd Rogers
 Jack Leopold Roth
 David Pascal Sawyer
 Samuel Roswell Shepherd
 James Craig Smith
 Robert Hooper Smith
 Harvey Spencer
 Erwin Shepard Spink, Jr.
 Daniel Hubbard Squire, Jr.
 Henry Martin Stebbins
 Francis Barretto Stewart
 William Floyd Van Saun
 Francis Darling Weeks
 William Bush Whidden
 William Henry Wolf
 Burton Knowlton Woodward, Jr.
 Henry Abbe Woodward
 Edward Guild Wyckoff, Jr.

Donald Wyman

CUM LAUDE

Kenneth Adams Bernard, $\Phi. B. K.$	Cyrus Porter Smith, $\Phi. B. K.$
Wendell Morris Coates, $\Phi. B. K.$	Louis Fenn Sperry, Jr.
James Dunlop Ewing, $\Phi. B. K.$	Allyn Coats Swinnerton, $\Phi. B. K.$
Donald Wells Goodrich, $\Phi. B. K.$	Cleveland Thurber
Charles Alfred Greeff, $\Phi. B. K.$	Arthur Meeker Walker, $\Phi. B. K.$
Hamill Davis Martyn	Arthur Goodwin Wild, $\Phi. B. K.$
Walker Penfield, $\Phi. B. K.$	Leonard Ford Wright

MASTER OF ARTS

George Albert Moore

HONORARY DEGREES

HONORARY DEGREE OF BACHELOR OF ARTS FOR WAR SERVICE

Charles Coleman Allen	John Winthrop Mott
Henry Williams Dwight	Edward Griswold Redfield
James Alexander Edgar	John Jordan Redfield
Ralph Westcott Lester	James Leland Rose
Charles Henderson Matz	Goodrich Capen Schauffler
Charles Wattles Stephenson	

MASTER OF ARTS

Charles White Whittlesey

DOCTOR OF DIVINITY

Henry Poor Perkins	William Luther Sawtelle
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DOCTOR OF LETTERS

Horace Dutton Taft	Henry Daniel Wild
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DOCTOR OF LAWS

Henry Pomeroy Davison	Stephen Beasley Linnard Penrose
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STUDENTS

CANDIDATES (IN RESIDENCE) FOR THE DEGREE OF MASTER OF ARTS

Alice Whittier Meserve, B.A., 1905, Vassar College.	17 Thomas St.
<i>Latin</i>	<i>English</i>
Spencer Ward Prentiss, B.A., 1919.	T. C. L.
<i>Chemistry</i>	<i>Physics</i>
Jinichi Saito, Graduate of Keiogijuku University, 1916.	
Graduate Student, Harvard University, 1916-1918.	9 W. H.
Graduate Student, Williams College, 1918-.	
<i>Economics</i>	<i>Government</i>

LIST OF ABBREVIATIONS

The following abbreviations are used in the addresses of students:

B. H. Berkshire Hall	M. H. Morgan Hall
C. H. Currier Hall	W. C. West College
E. C. East College	W. H. Williams Hall
F. H. Fayerweather Hall	

SENIORS—CLASS OF 1920

Henry S. Acken	Maplewood, N. J.	Φ Δ Θ
Herbert Sanford Allan	Brooklyn, N. Y.	Ψ T
Samuel Wagner Anderson	La Crosse, Wis.	Δ T
Henry Burr Anthony, Jr.	Farmington, Conn.	Φ Σ K
Robert Manners Becket	East Orange, N. J.	A Δ Φ
Marcus Beebe, Jr.	Malden	St. Anthony Hall
Karl Harold Behre	New Canaan, Conn.	Φ Σ K
Edward Pendleton Black	New York, N. Y.	Σ Φ
William Palmer Black	New York, N. Y.	Σ Φ
I. Munro Blanchard	Syracuse, N. Y.	Δ K E
Gilbert Ditmis Bogart	Passaic, N. J.	Θ Δ X
Hoyt Cambreleng Bonner	Brooklyn, N. Y.	Φ Γ Δ
Robert Lord Brandegee	Farmington, Conn.	Φ Σ K
Flint Brayton	Fall River	X Ψ
Ferdinand Bennett Brigham	Newton Center	Δ T
Horace Hallock Brown	Bernardsville, N. J.	Φ Γ Δ
Sherwood Emerson Buck	Worcester	45 W. H.
Theodore Randall Bundy	Troy, N. Y.	22 B. H.
Frank Ely Burrows	Lake Placid, N. Y.	Φ Γ Δ
Nelson Sherwin Bushnell	Cleveland, O.	Δ K E
Harold Stearns Card	North Adams	12 E. C.
Robert Carey, Jr.	Jersey City, N. J.	Φ Δ Θ
Gerald George Carick	West New York, N. J.	Δ T
John Lind Carson, Jr.	Buffalo, N. Y.	X Ψ
Charilaus George Chaousoglou	Smyrna, Turkey in Asia Minor	6 E. C.
Frederick Lewis Chapman	New York, N. Y.	33 M. H.
Henry Prentiss Christian	New York, N. Y.	Ψ T
John Allen Coe, Jr.	Waterbury, Conn.	Φ Σ K
Donald Cheney Corbin	Southbridge	20 M. H.
Edward DeLorme Cutler	Montpelier, Vt.	Δ K E
Malcolm Davis	Washington, D. C.	B Θ Π
Herbert Arnold Dessau	New York, N. Y.	K A
Warren Ames Draper	Duluth, Minn.	Φ Δ Θ
Everett Lafayette Farr	Detroit, Mich.	K A
Arthur Donald Ferguson	Paterson, N. J.	St. Anthony Hall
William Van Buskirk Field	Shelburne Falls	A F. H.
Louis Frederick Fieser	Columbus, O.	X Ψ
William Finder	Troy, N. Y.	Φ Γ Δ
Albert Trostel Finkler	Milwaukee, Wis.	Φ Δ Θ
Lawrence Elliott Fitch	Rochester, N. Y.	Σ Φ

John Morrill Foster	<i>Evanston, Ill.</i>	Z Ψ
Carl Hartwig Fraenckel	<i>New York, N. Y.</i>	18 B. H.
William Cortel Gahagan	<i>Brooklyn, N. Y.</i>	Δ K E
Robert Marty Gillham	<i>Kansas City, Mo.</i>	Δ K E
Godfrey Lester Goodkind	<i>Chicago, Ill.</i>	Netherleigh
Howard Goodman	<i>Chicago, Ill.</i>	Θ Δ X
Roy Melvin Grindy	<i>North Adams</i>	Δ T
Harold Alfred Hanning	<i>Auburn, N. Y.</i>	Δ T
Van Note Hatch	<i>Port Henry, N. Y.</i>	St. Anthony Hall
Stewart Starks Hawes	<i>Oak Park, Ill.</i>	B Θ Π
Walter Page Hedden	<i>Newark, N. J.</i>	Φ Γ Δ
Verne Verbeck Heimstreet	<i>Mechanicsville, N. Y.</i>	10 & 11 B. H.
Ernest Kirtland Henderson, Jr.	<i>New York, N. Y.</i>	B Θ Π
Alfred Hubbard Holt	<i>Oconto, Wis.</i>	9 W. C.
Leonard Bogue Hotchkiss	<i>Fulton, N. Y.</i>	Δ T
Nickels Batchelder Huston	<i>North Adams</i>	Φ Δ Θ
George Van Deusen Hutton	<i>Kingston, N. Y.</i>	Φ Δ Θ
Lewis Alexander James	<i>Saratoga Springs, N. Y.</i>	Δ T
Harvey Chase Jewett, Jr.	<i>Aberdeen, S. D.</i>	B Θ Π
Richard Irwin Johannesen	<i>Pittsfield</i>	Φ Γ Δ
Frederick Henry Jones	<i>Youngstown, O.</i>	A Δ Φ
Alfred Frederic Kieser	<i>Brooklyn, N. Y.</i>	Δ K E
Charles Hazard Kimberly	<i>Watervliet, N. Y.</i>	Ψ T
Leonard Woods Labaree	<i>New Britain, Conn.</i>	Ψ T
Charles Peyton Gordon Landon	<i>Rutland, Vt.</i>	Δ T
Oliver Vanderbilt Lee	<i>East Orange, N. J.</i>	Φ Δ Θ
Everett Bentley Lemmon	<i>East Orange, N. J.</i>	B Θ Π
Carter Lee Marshall	<i>Washington, D. C.</i>	3 E. C.
Ralph Clinton Mason	<i>Williamstown</i>	Φ Δ Θ
Abraham Harry Meirowitz	<i>Pittsfield</i>	13 & 14 B. H.
John Tyler Mills, Jr.	<i>New York, N. Y.</i>	K A
David Merriwether Milton	<i>Savoy</i>	Φ Δ Θ
Lawrence Moore	<i>New York, N. Y.</i>	4 Hoosac Place
Franklin Ames Morse	<i>Evanston, Ill.</i>	Z Ψ
Ralph Smith Munger	<i>Waterbury, Conn.</i>	Φ Σ K
Lewis Chapen Murdock	<i>Brooklyn, N. Y.</i>	Φ Γ Δ
Romeyn Webster Nelson	<i>West Pawlet, Vt.</i>	6 E. C.
William Holden Noble	<i>Evanston, Ill.</i>	1 M. H.
Sterling Morton Nordhouse	<i>New York, N. Y.</i>	Φ Δ Θ
Mason Browne Olmsted	<i>Evanston, Ill.</i>	Δ K E
Sanford Olson	<i>Chicago, Ill.</i>	Δ K E
George Seligman Oppenheimer	<i>New York, N. Y.</i>	5 W. C.
Reinold Marvin Parker	<i>Hartford, Conn.</i>	St. Anthony Hall

WILLIAMS COLLEGE

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Edward Howland Parry	Glens Falls, N. Y.	Δ T
James Hamilton Paterson	Buffalo, N. Y.	20 M. H.
Arthur Bliss Perry	Cambridge	Δ Δ Φ
Charles Sherman Bentley Pike	La Grange, Ill.	Φ Γ Δ
Henry Russell Platt, Jr.	Evanston, Ill.	Φ Δ Θ
Joseph Percival Pollard	Chicago, Ill.	Φ Δ Θ
Everett Hughes Potter	Williamstown	86 Cole Ave.
Edward Welles Power	St. Paul, Minn.	Z Ψ
Joseph Parsons Prescott	Holyoke	Σ Φ
Hugh Merriman Quigley	Bellefonte, Pa.	Z Ψ
Carroll Frank Ransford	Williamstown	13 Thomas St
John Gray Reinhardt	Spokane, Wash.	X Ψ
Frederick Hayes Robinson	New York, N. Y.	Ψ T
Alfred Rose	New York, N. Y.	8 W. C.
James Leland Rose	Troy, N. Y.	10 & 11 B. H.
John Albert Rudloff	Montclair, N. J.	Z Ψ
Ray Palmer Sackett	East Orange, N. J.	Δ T
John Neff Schermerhorn	Washington, D. C.	Ψ T
Bradford Claflin Seaman	Brooklyn, N. Y.	Φ Σ K
Caswell Moen Smith	New York, N. Y.	Φ Δ Θ
Francis Stabler	New York, N. Y.	Φ Γ Δ
Frederick Ten Eyck Sutphen	Englewood, N. J.	Δ T
Laurus Edgar Sutton, Jr.	Brooklyn, N. Y.	9 W. C.
Francis Whittlesey Swain	Winchester	Φ Σ K
Arthur Eldridge Symons	Saginaw, Mich.	Δ K E
Wellsworth Phelps Thomas	North Adams	Δ T
Todd Groesbeck Tiebout	Brooklyn, N. Y.	Z Ψ
Ingersoll Day Townsend	Oyster Bay, N. Y.	256 Main St.
Benjamin Booth Wainwright	North Adams	12 E. C.
Christopher Longstreth Ward, Jr.	Wilmington, Del.	Δ K E
Sumner James Waring	Fall River	B Θ Π
Winthrop Watson	Passaic, N. J.	Θ Δ X
Harold Lew Webb	Lombard, Ill.	4 Hoosac Court
Edgar Thorne Wheeler	Albany, N. Y.	8 W. C.
George Moss White	Ridgewood, N. J.	Φ Γ Δ
Benjamin Lincoln Whittier	Lowell, Mass.	Ψ T
Arthur Manley Wickwire, Jr.	Westfield, N. J.	Z Ψ
John Corbin Wiley	Hartford, Conn.	Φ Γ Δ
Stewart Winslow	Fall River	Φ Σ K
Kenneth Hazen Woolson	Springfield, Vt.	Σ Φ

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JUNIORS—CLASS OF 1921

Elbridge Adams, 2d	Williamstown	St. Anthony Hall
George William Alderman	Williamstown	96 Water St.
Torrey Allen	Burlington, Vt.	Σ Φ
Webster Atwell	Dallas, Texas	13 W. C.
John Conger Baker, Jr.	Great Neck, N. Y.	20 W. H.
Richard Horrocks Balch	Utica, N. Y.	3 B. H.
Morton Mortimer Banks	Noroton, Conn.	K A
Curtis Ellsworth Blunt	Evanston, Ill.	12 B. H.
Standish Taber Bourne	New Bedford	Z Ψ
Daniel Morgan Brigham	Denver, Colo.	2 F. H.
Henry Adam Brown	Washington, D. C.	3 E. C.
Herman Ewald Brucker	Williamstown	X Ψ
Hugh Bullock	Denver, Colo.	K A
Norman Chapman Burger	Brooklyn, N. Y.	18 M. H.
Frederick Austin Burwell	Seattle, Wash.	Φ Γ Δ
Gregory Nott Camp	New York, N. Y.	K A
George Bergen Carman	Hempstead, L. I.	39 W. H.
Robert Spenser Carr	Toledo, O.	Ψ T
Robert Cluett, 3d	Rye, N. Y.	St. Anthony Hall
Howard Radcliffe Coan	New York, N. Y.	Φ Γ Δ
John Wesley Codding, Jr.	Towanda, Pa.	Z Ψ
Arthur Paul Coe	Williamstown	8 F. H.
Richard Barton Cole	West Newton	Θ Δ X
Ferris Richardson Conklin	New Rochelle, N. Y.	Z Ψ
Edward Ewen Connor	New Bedford	A Δ Φ
Harold Edward Coughlin	Passaic, N. J.	St. Anthony Hall
John Wensley Crofts	Mount Vernon, N. Y.	Φ Σ K
Gordon Fellows Cronkhite	Greenwich, Conn.	K A
Charles Mann Cutler	Boston	Ψ T
William Dale Dana	New York, N. Y.	Σ Φ
William Walker de Laval	Orange, N. J.	K A
Charles Welby Dorsey, Jr.	Baltimore, Md.	Ψ T
Wilfred Ernest Eaton, Jr.	East Orange, N. J.	Z Ψ
Leonard White Ferris	Utica, N. Y.	3 B. H.
John Hartney Finn	Northampton	Φ Γ Δ
Thomas James Fowler	Williamstown	90 Main St.
Charles Dickerman Fraker	Duluth, Minn.	A Δ Φ
Louis Bryant Freeman	Maplewood, N. J.	Φ Δ Θ
Frederick William Fulle, Jr.	Montclair, N. J.	Δ K E
Frederick Mussen Gahagan	Brooklyn, N. Y.	Δ K E

Sherwood Beach Gay	East Orange, N. J.	Z Ψ
Cameron Parker Hall	New York, N. Y.	Σ Φ
Ogden William Heath	New York, N. Y.	18 M. H.
Edward Talcott Henning	Glens Falls, N. Y.	Δ T
Theodore Seymour Heymann	New York, N. Y.	36 W. H.
Robert Sargent Hibbard	Pittsfield	K A
Walter Livingston Hinman	Buffalo, N. Y.	St. Anthony Hall
Seabury Burke Hough	Northampton	10 & 11 B. H.
Frederick Arthur Howland	Hudson Falls, N. Y.	A Δ Φ
John Niles Huyck	Albany, N. Y.	St. Anthony Hall
Robert Bruce Hyndman	Greenwich, Conn.	Δ T
Dudley Marvin Irwin, Jr.	Buffalo, N. Y.	K A
Louis Sherwood Irwin	Hempstead, N. Y.	20 W. H.
Wyllys Lyman James	Saratoga Springs, N. Y.	Δ T
Charles Blystone Jarrett	Pittsburgh, Pa.	Z Ψ
Damon Everett Jones	West Newton	13 W. C.
Tom Jopling	Willoughby, O.	2 M. H.
Alan Wilson Joslyn	Detroit, Mich.	X Ψ
Harold Bennett Keegan	Brooklyn, N. Y.	Φ Δ Θ
Hamilton Hyde Kellogg	Skaneateles, N. Y.	29 W. H.
Rockwell Kent	New York, N. Y.	Ψ T
Ralph Tewksbury King	Cleveland, O.	A Δ Φ
Paul Lazarus Kohns	New York, N. Y.	33 W. H.
John Whitin Lasell	Whitinsville	A Δ Φ
Arthur Oakley Lohrke	East Orange, N. J.	K A
Donald McLean	Lansdowne, Pa.	X Ψ
Everett Wilmer MacNair	Holmdel, N. J.	9 B. H.
Alfred Whittlesey Mahan	New London, Conn.	2 M. H.
Stanley Baker Milton	Worcester	6 W. C.
Knowlton Mixer, Jr.	Eden, N. Y.	Φ Σ K
John Edmund Moody	New York, N. Y.	Δ T
Roger Cleveland Moore	New York, N. Y.	Φ Σ K
Charles Casper Noble	Newton Highlands	2 F. H.
Edgerton Grant North	Brooklyn, N. Y.	Ψ T
Charles Francis O'Connor	Williamstown	272 W. Main St.
George Nelson Ostrander, Jr.	Saratoga Springs, N. Y.	12 W. C.
Fernald Ellsworth Painter	Minneapolis	B Θ Π
George William Palmer	Plattsburg, N. Y.	12 W. C.
Pierre Loisel Papin	St. Louis, Mo.	X Ψ
Philip Stokes Patton	Brookline	St. Anthony Hall
Stuart Phillips	Upper Montclair, N. J.	Δ K E
John Robert Piatt	Goshen, Ind.	B Θ Π
John Whittelsey Power	Pittsfield	Δ K E

Ralph Earl Prime, III	<i>Yonkers, N. Y.</i>	7 M. H.
Henry Alexander Redfield	<i>Hartford, Conn.</i>	Σ Φ
Arthur Hall Richardson	<i>Philadelphia, Pa.</i>	Φ Δ Θ
Fred Henry Roth	<i>Cincinnati, O.</i>	5 W. C.
Alfred Cary Schlesinger	<i>College Point, N. Y.</i>	9 B. H.
Kenneth Scott	<i>Watertown, Conn.</i>	15 B. H.
George Bradley Seager	<i>Pittsfield</i>	45 W. H.
George Bentley Searles	<i>Adams</i>	12 B. H.
Edwin Elliott Smeeth, Jr.	<i>Oak Park, Ill.</i>	B Θ Π
Samuel Irwin Solomon	<i>North Adams</i>	13 & 14 B. H.
Clinton Bowen Stanley	<i>Buffalo, N. Y.</i>	Σ Φ
Joseph Moore Tatem	<i>Haddonfield, N. J.</i>	Δ T
Charles Lincoln Taylor, Jr.	<i>Hartford, Conn.</i>	B Θ Π
Edward Pease Taylor	<i>Westfield</i>	Φ Γ Δ
Arthur Louis Thexton	<i>Oak Park, Ill.</i>	B Θ Π
Herbert Sands Towne	<i>Holyoke</i>	K A
Richard Peale Towne	<i>Holyoke</i>	Σ Φ
Roswell Truman	<i>New York, N. Y.</i>	49 W. H.
David Budlong Tyler	<i>Brooklyn, N. Y.</i>	49 W. H.
Henry Mandeville Ufford	<i>Elmira, N. Y.</i>	K A
Charles Wertor VanDeusen	<i>Hudson, N. Y.</i>	Z Ψ
John Lawrence Washburn	<i>Duluth, Minn.</i>	X Ψ
Henry Grant Wasson, Jr.	<i>Pittsburgh, Pa.</i>	Θ Δ X
Donald Whitsett Wells	<i>Carthage, Mo.</i>	Φ Δ Θ
Harold Frederick West	<i>Williamstown</i>	71 Cole Ave.
Henry Herriman Wickes	<i>Rochester, N. Y.</i>	Δ T
Wentworth Williams	<i>Woodstock, Vt.</i>	Ψ T
William Niles Wishard, Jr.	<i>Indianapolis, Ind.</i>	Δ T
John Andrew Withrow	<i>Cincinnati, O.</i>	Θ Δ X
William Irving Zeitler	<i>Albany, N. Y.</i>	11 E. C.
Total		113

SOPHOMORES—CLASS OF 1922

Hartwell Borden Adams	<i>Fall River</i>	13 W. H.
Stanton Rice Allison	<i>Bryn Mawr, Pa.</i>	A Δ Φ
Leigh Richmond Brewer Atwater	<i>Scarsdale, N. Y.</i>	49 W. H.
George Francis Baker, Jr.	<i>Evanston, Ill.</i>	6 W. C.
Norman Collins Barwise	<i>Troy, N. Y.</i>	47 W. H.
Russell Henry Bayly	<i>Denver, Colo.</i>	47 W. H.
Alan Lamplough Becket	<i>East Orange, N. J.</i>	19 E. C.
Kenneth Daggett Beckwith	<i>Plainville, Conn.</i>	B Θ Π
Sheldon Cadman Belcher	<i>New York, N. Y.</i>	Z Ψ
Albert William Bianchi	<i>Patchogue, L. I.</i>	44 W. H.
Philip Randall Blake	<i>Springfield</i>	15 W. C.
John Kinner Blitz	<i>Fort Wayne, Ind.</i>	22 E. C.
Ben Lee Boynton	<i>Waco, Texas</i>	Δ K E
Storrs Talcott Brigham	<i>Granby, Conn.</i>	37 M. H.
Sterling Allen Brown	<i>Washington, D. C.</i>	Mrs. Hogan's
James Craigen Bruce, Jr.	<i>Essex Falls, N. J.</i>	X Ψ
Herbert Maxwell Brune, Jr.	<i>Baltimore, Md.</i>	22 W. H.
Walker Thornton Buckner	<i>New York, N. Y.</i>	Ψ T
Trescott Avery Buell	<i>Boston</i>	15 M. H.
Joseph Howard Bumsted	<i>Jersey City, N. J.</i>	11 W. H.
William Chapman Burger	<i>Brooklyn, N. Y.</i>	5 W. H.
Daniel Blodgett Burnham, Jr.	<i>New York, N. Y.</i>	31 W. H.
Edward Timothy Buxton, Jr.	<i>St. Paul, Minn.</i>	41 W. H.
John Lawson Cameron	<i>Williamstown</i>	28 Hoxsey St.
Newton Brown Castle	<i>Rochester, N. Y.</i>	1 W. C.
Alexander Hamilton Chapman	<i>Forest Hills, N. Y.</i>	29 M. H.
Warren Cook Clark	<i>Springfield</i>	2 W. H.
Lloyd Clarkson	<i>Brooklyn, N. Y.</i>	22 E. C.
Clement Biddle Penrose Cobb	<i>New York, N. Y.</i>	2 W. H.
Sheldon Townsend Coleman	<i>New York, N. Y.</i>	41 W. H.
Water Donald Coleman	<i>Troy, N. Y.</i>	14 M. H.
Richard de Raismes Storey Combes	<i>Elmhurst, L. I.</i>	Φ Σ K
Earl Wendel Count	<i>Ellenville, N. Y.</i>	23 E. C.
David Norman Craig	<i>Chicopee</i>	12 F. H.
Donald Cruse	<i>New York, N. Y.</i>	4 W. C.
Waters Smith Davis, Jr.	<i>New York, N. Y.</i>	37 W. H.
Daniel Dewey	<i>Worcester</i>	8 M. H.
George Tufts Dewey, Jr.	<i>Worcester</i>	8 M. H.
Edwards Haven Dickinson	<i>Holliston</i>	8 E. C.
Winthrop Bulkley Dillingham	<i>Millburn, N. J.</i>	25 W. H.

Randolph Doherty	<i>Clifton, N. J.</i>	1 W. H.
Frederick Heber Eaton	<i>East Orange, N. J.</i>	37 W. H.
Stuart Franklin Edson	<i>Greenwich, Conn.</i>	15 M. H.
Chapman Gardiner Elliot	<i>New York, N. Y.</i>	17 M. H.
Richards Haskell Emerson	<i>Springfield</i>	21 W. H.
Hampton Denman Ewing, Jr.	<i>Yonkers, N. Y.</i>	18 W. H.
Edward Albert Fargo, Jr.	<i>Evanston, Ill.</i>	13 F. H.
Le Grand Durby Feeley	<i>Lenox</i>	13 & 14 B. H.
Francis Eugene Field	<i>Asheville, N. C.</i>	24 W. H.
Peter Baldwin Fleming	<i>Amityville, N. Y.</i>	19 E. C.
Fred William Frazier	<i>New York, N. Y.</i>	Δ K E
William Arthur Gardiner	<i>Brookline</i>	42 W. H.
Edward Williams Garfield	<i>Cleveland, O.</i>	3 W. C.
Julius Caulkins Gray	<i>New Rochelle, N. Y.</i>	Z Ψ
Henry Kirk Greer	<i>North Adams</i>	2 W. C.
Marshall Grout	<i>Brooklyn, N. Y.</i>	23 W. H.
Charles Henry Gummey, Jr.	<i>Germantown, Pa.</i>	10 W. H.
Robert Herman Hahlo	<i>Cranford, N. J.</i>	3 W. C.
Charles Nicholas Harder	<i>Pittsfield</i>	38 M. H.
William Washington Hastings	<i>Lawrence, L. I.</i>	5 B. H.
Edward Lawrence Holsten	<i>New York, N. Y.</i>	10 W. C.
Stephen Woolsey Hopkins	<i>Tarrytown, N. Y.</i>	10 F. H.
Jo Allison Humes	<i>New Orleans, La.</i>	2 W. C.
Douglas Anderson Hyde	<i>North Adams</i>	24 E. C.
Lee Charles Jeffreys	<i>Greenwich, Conn.</i>	4 W. H.
Edward Whitney Johnson	<i>Easthampton</i>	21 W. H.
Stanley Louis Kaufman	<i>Champaign, Ill.</i>	19 C. H.
Charles Frederick Keller	<i>Jersey City, N. J.</i>	10 W. C.
Baucus Cronkhite Kellogg	<i>Glens Falls, N. Y.</i>	40 W. H.
Clarence Broughton Kilmer, Jr.	<i>Saratoga Springs, N. Y.</i>	30 M. H.
Donald Klopfer	<i>New York, N. Y.</i>	32 W. H.
Arthur Joseph Lafave	<i>North Adams</i>	24 E. C.
John Learned	<i>Washington, D. C.</i>	43 W. H.
Richmond Lewis	<i>Springfield</i>	29 M. H.
William Paul Luedeke, Jr.	<i>Buffalo, N. Y.</i>	28 M. H.
William Roeder McLoud	<i>Cleveland, O.</i>	24 W. H.
Emerson Hopkins McWhorter, Jr.	<i>Brooklyn, N. Y.</i>	33 M. H.
Amory Mellen	<i>Stockbridge</i>	4 W. C.
Samuel Mendleson	<i>Albany, N. Y.</i>	7 W. C.
Adelbert Lewis Merriam	<i>Blackinton</i>	24 B. H.
Donald Bedell Miller	<i>Pittsfield</i>	7 W. C.
Harry Mortimer Montgomery, Jr.	<i>Evanston, Ill.</i>	13 F. H.
John Rogerson Montgomery, Jr.	<i>Hubbard Woods, Ill.</i>	3 W. H.

Carl Frederick Muckenhoupt	<i>Poughkeepsie, N. Y.</i>	23 B. H.
Winston Blodgett Newell	<i>Minneapolis, Minn.</i>	Φ Δ Θ
Herman Jones Nichols	<i>Williamstown</i>	18 Arnold St.
Minturn Oliver	<i>Westfield, N. J.</i>	8 W. H.
William Flagg Olmsted	<i>Yonkers, N. Y.</i>	14 M. H.
Eric Howard Pattison	<i>New York, N. Y.</i>	5 E. C.
Herbert Russell Pease	<i>Chester</i>	5 M. H.
Robert Kenneth Perry	<i>Bound Brook, N. J.</i>	X Ψ
Phelps Phelps	<i>West Englewood, N. J.</i>	11 M. H.
Philip Phillips	<i>Buffalo, N. Y.</i>	26 M. H.
Spencer Phillips	<i>Montclair, N. J.</i>	25 M. H.
Richard Laurence Plaut	<i>New York, N. Y.</i>	4 & 5 C. H.
Henry Sherwin Prescott	<i>Cleveland, O.</i>	11 W. C.
William Howard Prescott	<i>Cleveland, O.</i>	11 W. C.
Kenneth Frederick Pring	<i>East Orange, N. J.</i>	1 W. H.
William George Rawson	<i>Asbury Park, N. J.</i>	3 W. H.
William Rittenhouse Richardson	<i>Jersey City, N. J.</i>	17 W. H.
Douglas Hall Rose	<i>Baltimore, Md.</i>	6 W. H.
Edward John Rosenwald	<i>New York, N. Y.</i>	32 W. H.
George Irving Rounds	<i>Ridgewood, N. J.</i>	37 M. H.
Richard Edson Rowse	<i>Lexington</i>	15 W. C.
Robert Rubino	<i>Babylon, L. I.</i>	34 M. H.
John Avery Sanborn	<i>New Rochelle, N. Y.</i>	St. Anthony Hall
Harrison Kimball Sayen	<i>West Philadelphia, Pa.</i>	16 W. H.
Harry Klock Schaufler	<i>Kansas City, Mo.</i>	5 W. H.
Clinton Wolff Schelling	<i>Brooklyn, N. Y.</i>	14 E. C.
Theodore Maynard Schenck	<i>Brooklyn, N. Y.</i>	16 W. H.
Bruno Moritz Schmidt	<i>North Adams</i>	12 F. H.
Edward Rees Seaman	<i>Unadilla, N. Y.</i>	17 M. H.
George B. Secor	<i>Toledo, O.</i>	10 M. H.
William Dupee Sidley	<i>Winnetka, Ill.</i>	25 M. H.
Gilbert Page Simons	<i>Blauvelt, N. Y.</i>	34 W. H.
Walter Knapp Slack	<i>Saginaw, Mich.</i>	43 W. H.
Sherwood Perry Smedley	<i>Williamstown</i>	25 W. H.
Howard Caswell Smith, Jr.	<i>Oyster Bay, N. Y.</i>	24 W. H.
Norman Proctor Smith	<i>New York, N. Y.</i>	38 W. H.
Robert Whitelaw Smith	<i>White River Junction, Vt.</i>	11 E. C.
James Hendrick Terry	<i>New York, N. Y.</i>	22 W. H.
Richard Stockton Ullery	<i>Hampden</i>	8 E. C.
Joseph McCord Vercoe	<i>Columbus, O.</i>	28 M. H.
Barent Sloane Vroman	<i>North Tonawanda, N. Y.</i>	32 M. H.
Joseph Allen Wakeman	<i>Fairfield, Conn.</i>	31 W. H.
Dudley Brabner Wallace	<i>Springfield</i>	13 W. H.

Bentley T. Warren Jr	T. Massachusetts	218
Robert Wood Wentworth	Connecticut	141 H
Frederick Blake White Jr	Princeton, N. J.	187 H
Charles Williams	New York, N. Y.	141 H
James Buchanan Williams	Princeton, N. J.	127 H
John Ellis Wilson	Wesley	127 H
Walter Bernard Wolfe	Chicago	153 H
Arthur Woodard Youngman	Minneapolis, N. J.	177 H
Total		134

FRESHMAN—CLASS OF 1923

John Nicholas Albert	<i>Pittsfield</i>	2 E. C.
James Marshall Allen	<i>Clinton Corners, N. Y.</i>	34 M. H.
John Walter Allison	<i>Brooklyn, N. Y.</i>	18 C. H.
John N. Anderson	<i>Buffalo, N. Y.</i>	14 C. H.
Severn Andrew Anderson, Jr.	<i>Buffalo, N. Y.</i>	14 C. H.
Ernest Groesbeck Angevine	<i>Brookline</i>	18 E. C.
Raymond Anthony	<i>Farmington, Conn.</i>	9 E. C.
Edwin Goddard Ayer	<i>Willoughby, O.</i>	23 M. H.
James Mellick Baker	<i>Great Neck, L. I.</i>	44 W. H.
Edward Malcolm Bancker	<i>Brooklyn, N. Y.</i>	16 M. H.
Charles Montgomery Barnes	<i>New York, N. Y.</i>	16 C. H.
Harland William Baxter	<i>Northampton</i>	6 B. H.
James Lacey Beal	<i>Grand Rapids, Mich.</i>	4 B. H.
Geoffrey Rupert Bennett	<i>Toledo, O.</i>	13 C. H.
Wingate Bixby	<i>Haverhill</i>	18 F. H.
Clifford Emory Blake	<i>Bridgeport, Conn.</i>	7 M. H.
Lawrence Hotchkiss Bloedel	<i>Seattle, Wash.</i>	19 B. H.
Charles Boller	<i>Buffalo, N. Y.</i>	3 M. H.
Richard Herkimer Bowen	<i>Lowville, N. Y.</i>	46 W. H.
Charles Albert Boynton	<i>Waco, Texas</i>	1 F. H.
Theodore Colescott Brandeis, Jr.	<i>South Orange, N. J.</i>	42 W. H.
Percy Stickney Bright	<i>Philadelphia, Pa.</i>	27 B. H.
Kenneth Phillips Britton	<i>Hartford, Conn.</i>	6 F. H.
Paul Brown	<i>Portland, Me.</i>	26 M. H.
Richard Lyon Brown	<i>Evanston, Ill.</i>	5 F. H.
Joseph Edward Burke	<i>Troy, N. Y.</i>	1 E. C.
John Crawford Byers	<i>Pelham Manor, N. Y.</i>	21 M. H.
Bruce Nelson Campbell	<i>Northampton</i>	6 B. H.
Morgan Seaman Campbell	<i>Englewood, N. J.</i>	11 C. H.
Horace Milne Carleton	<i>New York, N. Y.</i>	7 F. H.
Alfred Hastings Chapin, Jr.	<i>Springfield</i>	22 M. H.
Edwin Nesbit Chapman, Jr.	<i>Greenwich, Conn.</i>	35 M. H.
Joseph Titcomb Chatman	<i>Swampscott</i>	7 & 8 B. H.
Russell Crosby Clark	<i>New Brighton, N. Y.</i>	36 M. H.
Theodore McNaughton Coburn	<i>Auburn, N. Y.</i>	14 F. H.
Alan Copeland Collins	<i>Wyncote, Pa.</i>	23 F. H.
John Cornwall	<i>Short Hills, N. J.</i>	17 C. H.
James Edgerton Crosby	<i>Ridgewood, N. J.</i>	4 F. H.
Wilson Shepard Crosby	<i>Duluth, Minn.</i>	6 C. H.
George Perrin Davis	<i>Bloomington, Ill.</i>	10 C. H.

Winthrop Will Denison	<i>Syracuse, N. Y.</i>	29 W. H.
Edward Dewey, 2d	<i>Milwaukee, Wis.</i>	20 F. H.
William Gillespie De Witt	<i>Englewood, N. J.</i>	10 M. H.
Livingston Alexander Dickey	<i>Minneapolis, Minn.</i>	48 W. H.
Roger Lamkin Dowd	<i>Newton Center</i>	9 F. H.
Malcolm Dunn	<i>Jersey City, N. J.</i>	11 W. H.
Stanley Malcolm Dunn	<i>Woonsocket, R. I.</i>	41 W. H.
John Rorbach Durfee	<i>Chestnut Hill, Pa.</i>	15 W. H.
James Franklin Elliman	<i>Yonkers, N. Y.</i>	5 E. C.
Valentine Augustus Ely	<i>Morristown, N. J.</i>	22 M. H.
Daniel Edgar Evarts, Jr.	<i>Jersey City, N. J.</i>	2 C. H.
Edwin Harold Faber	<i>New York, N. Y.</i>	12 C. H.
Francis Morrison Farnham	<i>Lynn</i>	16 M. H.
Egi Victor Fasce	<i>Adams</i>	10 C. H.
Paul Russell Fitchen	<i>Sheldrake Springs, N. Y.</i>	23 M. H.
Seaver Page Francis	<i>New York, N. Y.</i>	38 W. H.
John Cole Gallagher	<i>Kansas City, Mo.</i>	19 F. H.
Wilfred Blake Garvin	<i>Winona, Minn.</i>	48 W. H.
Ernest Philip Gobeille	<i>Williamstown</i>	7 Hall St.
William Southworth Goff	<i>Cleveland, O.</i>	8 C. H.
Robert Gordon, Jr.	<i>Brooklyn, N. Y.</i>	35 W. H.
Harmon Sheldon Graves, Jr.	<i>New York, N. Y.</i>	13 M. H.
Herbert B. Greeff	<i>New York, N. Y.</i>	23 F. H.
Lancaster M. Greene	<i>Rochester, N. Y.</i>	5 B. H.
Cecil Jerome Haggerty	<i>Holyoke</i>	10 E. C.
George Johnson Hamilton	<i>New York, N. Y.</i>	22 F. H.
Joseph Polk Hardie	<i>New York, N. Y.</i>	14 W. C.
Samuel Walter Heavenrich	<i>Detroit, Mich.</i>	1 C. H.
Faxon Albert Helmer	<i>Batavia, N. Y.</i>	9 C. H.
Meredith Hemphill	<i>New York, N. Y.</i>	20 F. H.
John Carland Hilton	<i>Jersey City, N. J.</i>	2 C. H.
James Ludlow Hiss	<i>New York, N. Y.</i>	3 C. H.
Kenneth Taggard Hoeck	<i>New York, N. Y.</i>	1 F. H.
Richard Sanford Hoffman	<i>New York, N. Y.</i>	12 M. H.
Edwin Holmes, Jr.	<i>Englewood, N. J.</i>	20 E. C.
Willard Evans Hoyt, Jr.	<i>Williamstown</i>	26 W. H.
William Huckel	<i>Manhasset, L. I.</i>	4 W. H.
Samuel Hamilton Humes	<i>Jersey Shore, Pa.</i>	7 F. H.
George Albert Hurley	<i>Brooklyn, N. Y.</i>	9 F. H.
Arthur Lewis Hurst	<i>Glen Ridge, N. J.</i>	17 W. H.
Heber Ashe Ingols	<i>Newark, N. J.</i>	16 E. C.
Frank Newton Irwin, Jr.	<i>White Plains, N. Y.</i>	7 W. H.
Arthur Osborne Jennings	<i>Southport, Conn.</i>	31 W. H.

Carter Fessenden Jones	Brooklyn, N. Y.	8 C. H.
Sherman Armstrong Jones	New York, N. Y.	35 M. H.
Stuart Craig Keen	Greenwich, Conn.	6 F. H.
John Francis Krieger	South Orange, N. J.	9 Δ X
James Bernard Laevy	Neponsit, L. I.	3 C. H.
William Landesman	West Orange, N. J.	23 E. C.
John Dean Langmuir	Brooklyn, N. Y.	15 F. H.
James Crate Larkin	Buffalo, N. Y.	24 M. H.
Hervey Crampton Lawder	Mt. Vernon, N. Y.	15 E. C.
Henry Miller Lawder	Mt. Vernon, N. Y.	15 E. C.
James Waltham Laws	Swarthmore, Pa.	11 C. H.
Tracy Kingsbury Livingston	Bridgton, Me.	46 W. H.
Joshua Harold Loizeaux	Plainfield, N. J.	16 W. C.
Frank Mathias Low, Jr.	Washington, D. C.	14 W. H.
Denham Colby Lunt	Greenfield	14 W. H.
Everett Eddy Lyles	Canaan, Conn.	28 B. H.
Hiram William Lyon	Buffalo, N. Y.	X Ψ
Herbert McAneny	New York, N. Y.	9 M. H.
Gordon Wallace McCurdy	Rochester, N. Y.	15 W. H.
Robert Hargitt McGrath	Cleveland, O.	2 B. H.
Stewart Gregory Mackay	Blue Hill, Me.	34 M. H.
William Barnes McKenzie	Buffalo, N. Y.	3 M. H.
John Milton Mackie	New York, N. Y.	11 F. H.
Donald Anderson Maish	Cincinnati, O.	3 E. C.
Horace Taft Mallon	Cincinnati, O.	3 E. C.
Charles Edward Maxwell	Montclair, N. J.	6 M. H.
Raymond Mellen	Stockbridge	12 M. H.
John Dingee Mendes	Brooklyn, N. Y.	4 M. H.
Edward Rogers Monjo	Stamford, Conn.	7 C. H.
Walden Goff Moore	Aiken, S. C.	1 W. C.
Stewart Wells Morse	Binghamton, N. Y.	24 M. H.
Alfred Clarke Mosher	Binghamton, N. Y.	9 E. C.
William Muschenheim	New York, N. Y.	19 C. H.
George Alexander Newman	Spring Hope, N. C.	14 W. C.
Kent Harwood Newton	Hartford, Conn.	13 M. H.
Ernst Ludwig Friedrich Nicklas	Newark, N. J.	3 F. H.
John Burr Northrop	Richmond, Va.	40 W. H.
William Reed Oliver	Pittsburgh, Pa.	7 C. H.
Alanson Weller Olmsted	Chicago, Ill.	2 B. H.
Harry Edward Papin, Jr.	St. Louis, Mo.	36 M. H.
Courtlandt Budd Parker	Morris Plains, N. J.	17 B. H.
William Moore Partington	Fall River	7 & 8 B. H.
Henry Thurston Patch	Roxbury	19 W. H.

Haven Palmer Perkins	<i>Birmingham, Ala.</i>	17 C. H.
Gilbert Claude Poncet	<i>South Orange, N. J.</i>	Δ T
Roger Preston	<i>Lexington</i>	26 M. H.
Raymond Arthur Pring	<i>East Orange, N. J.</i>	13 C. H.
Carl William Proctor	<i>Lunenburg</i>	4 E. C.
William Bentley Quaintance, Jr.	<i>New York, N. Y.</i>	28 W. H.
Matthew Rankin	<i>Chester, Pa.</i>	9 M. H.
John Allen Reid	<i>South Easton</i>	18 E. C.
Joseph Thomas Resor	<i>Cincinnati, O.</i>	12 C. H.
Charles Stewart Richmond	<i>Chatham, N. J.</i>	38 M. H.
Wallace Everett Richmond, Jr.	<i>Newtonville</i>	10 E. C.
Wallace Sage Roberts	<i>Utica, N. Y.</i>	15 C. H.
Rene Roche	<i>Orette, France</i>	7 E. H.
Lawrence Bond Romaine	<i>Morristown, N. J.</i>	20 E. C.
Thomas Macdonough Russell, Jr.	<i>Middletown, Conn.</i>	22 F. H.
Joel Grover Sayre, Jr.	<i>Columbus, O.</i>	29 B. H.
James Bradley Scott, Jr.	<i>Newburgh, N. Y.</i>	9 C. H.
Ralph Winfield Scott	<i>Washington, D. C.</i>	Mrs. Hogan's
John Popham Sedgwick	<i>Utica, N. Y.</i>	Φ Γ Δ
Richard Matthews Sellwood, Jr.	<i>Duluth, Minn.</i>	27 W. H.
Louis Pierre Serieye	<i>Marseilles, France</i>	7 E. H.
Grenville Strong Sewall	<i>Rye, N. Y.</i>	31 M. H.
John Ellsworth Shaw	<i>Geneva, Ill.</i>	21 F. H.
Francis Batchelder Shepardson	<i>Reading</i>	16 F. H.
Edwin Shuttleworth, Jr.	<i>Douglaston, L. I.</i>	28 W. H.
Rutledge Simmons	<i>Brooklyn, N. Y.</i>	21 M. H.
John Leonard Slack	<i>Saginaw, Mich.</i>	6 C. H.
Nelson Herrick Small	<i>Braintree</i>	7 & 8 B. H.
John Albrecht Smidt	<i>New York, N. Y.</i>	19 F. H.
William Stuart Smith, Jr.	<i>Appleton, Wis.</i>	21 B. H.
Wilson Woodbury Smith	<i>Chardon, O.</i>	4 B. H.
Henry Miller Stephens	<i>Yonkers, N. Y.</i>	25 B. H.
William R. Stephenson	<i>Duluth, Minn.</i>	26 W. H.
William Wilson Stout	<i>Menomonie, Wis.</i>	16 W. C.
Clifton Heald Stowers	<i>South Weymouth</i>	16 F. H.
Edward Musgrave Sutton	<i>Brooklyn, N. Y.</i>	14 W. H.
Walter McDougall Taylor	<i>Newark, N. J.</i>	16 E. C.
Orrin Thacker, Jr.	<i>Columbus, O.</i>	1 B. H.
Lockwood Thompson	<i>Cleveland, O.</i>	30 W. H.
Graham Crawford Thomson	<i>New York, N. Y.</i>	27 W. H.
David Jewett Tiffany	<i>Lyme, Conn.</i>	16 C. H.
Randolph Shepardson Towne	<i>Williamstown</i>	1 E. C.
Charles Tucker	<i>New Bedford</i>	9 W. H.

WILLIAMS COLLEGE

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George Carlton Underwood	<i>Binghamton, N. Y.</i>	18 M. H.
Fred Vercoe, Jr.	<i>Columbus, O.</i>	1 B. H.
Royal Lee Vilas, Jr.	<i>East Orange, N. J.</i>	35 W. H.
Vincent Villard	<i>New York, N. Y.</i>	21 F. H.
Louis Graebel Wagner	<i>Plainfield, N. J.</i>	Θ Δ X
James Crawford Ward	<i>Kansas City, Mo.</i>	18 F. H.
Samuel Winthrop Webb	<i>Lakewood, N. J.</i>	30 M. H.
Richard Keith Werner	<i>Eau Claire, Wis.</i>	26 B. H.
Henry Booth Wightman	<i>New York, N. Y.</i>	31 M. H.
Harold Stuart Wilson	<i>Paterson, N. J.</i>	23 W. H.
Wallace Henry Witcombe	<i>Mt. Vernon, N. Y.</i>	6 M. H.
Gaylord Ashlyn Wood	<i>Indianapolis, Ind.</i>	18 C. H.
Hermon Hall Woodward	<i>Troy, N. Y.</i>	32 M. H.
George Ezekiel Zalles, Jr.	<i>New York, N. Y.</i>	6 W. H.
Lytle Greenlease Zuber	<i>Cincinnati, O.</i>	15 C. H.
Total		184

SUMMARY BY CLASSES

GRADUATE STUDENTS.....	3
SENIORS.....	123
JUNIORS.....	113
SOPHOMORES.....	134
FRESHMEN.....	184
TOTAL.....	557

SUMMARY BY STATES

NEW YORK.....	197
MASSACHUSETTS.....	108
NEW JERSEY.....	71
CONNECTICUT.....	31
OHIO.....	27
ILLINOIS.....	25
PENNSYLVANIA.....	17
MINNESOTA.....	11
MICHIGAN.....	9
DISTRICT OF COLUMBIA.....	8
WISCONSIN.....	7
MISSOURI.....	7
VERMONT.....	7
INDIANA.....	4
COLORADO.....	3
TEXAS.....	3
MARYLAND.....	3
MAINE.....	3
WASHINGTON.....	3
NORTH CAROLINA.....	2
RHODE ISLAND.....	1
LOUISIANA.....	1
ALABAMA.....	1
SOUTH DAKOTA.....	1
DELAWARE.....	1
SOUTH CAROLINA.....	1
Virginia.....	1
FRANCE.....	2
JAPAN.....	1
TURKEY.....	1
TOTAL.....	557

Acken, Henry S., *Sr.*
Adams, Elbridge, 2d, *Jr.*
Adams, Hartwell Borden, *Soph.*
ADRIANCE, JOHN SABIN, *Lecturer*
AGARD, HARRY LESLIE, *Asst. Prof.*
Alderman, George William, *Jr.*
Allan, Herbert Sanford, *Sr.*
Allen, James Marshall, *Fr.*
ALLEN, SAMUEL EDWARD, *Asst. Prof.*
Allen, Torrey, *Jr.*
Allison, John Walter, *Fr.*
Allison, Stanton Rice, *Soph.*
Anderson, John N., *Fr.*
Anderson, Samuel Wagner, *Sr.*
Angevine, Ernest Groesbeck, *Fr.*
Anthony, Raymond, *Fr.*
Anthony, Henry Burr, Jr., *Sr.*
Atwater, Leigh Richmond Brewer, *Soph.*
Atwell, Webster, *Jr.*
Ayer, Edwin Goddard, *Fr.*

Baker, George Francis, Jr., *Soph.*
Baker, James Mellick, *Fr.*
Baker, John Conger, Jr., *Jr.*
Balch, Richard Horrocks, *Jr.*
Bancker, Edward Malcolm, *Fr.*
Banks, Morton Mortimer, *Jr.*
Barnes, Charles Montgomery, *Fr.*
Baxter, Harland William, *Fr.*
Bayly, Russell Henry, *Soph.*
Beal, James Lacey, *Fr.*
Becket, Alan Lamplough, *Soph.*
Becket, Robert Manners, *Sr.*
Beckwith, Kenneth Daggett, *Soph.*
Beebe, Marcus, Jr., *Sr.*
Behre, Karl Harold, *Sr.*
Belcher, Sheldon Cadman, *Soph.*
BELL, JAMES WASHINGTON, *Inst.*
Bennett, Geoffrey Rupert, *Fr.*
Bianchi, Albert William, *Soph.*
Bixby, Wingate, *Fr.*
Black, Edward Pendleton, *Sr.*
Black, William Palmer, *Sr.*
Blake, Clifford Emory, *Fr.*
Blake, Philip Randall, *Soph.*
Blanchard, I. Munro, *Sr.*
Blitz, John Kinner, *Soph.*
Bloedel, Lawrence Hotchkiss, *Fr.*
Blunt, Curtis Ellsworth, *Jr.*
Bogart, Gilbert Ditmis, *Sr.*
Boller, Charles, *Fr.*
Bonner, Hoyt Cambreleng, *Sr.*
Bourne, Standish Taber, *Jr.*
Bowen, Richard Herkimer, *Fr.*
Boynton, Ben Lee, *Soph.*
Boynton, Charles Albert, *Fr.*
Brandeggee, Robert Lord, *Sr.*
Brandeis, Theodore Colescott, Jr., *Fr.*
Brayton, Flint, *Sr.*
Brigham, Daniel Morgan, *Jr.*
Brigham, Ferdinand Bennett, *Sr.*
Brigham, Storrs Talcott, *Soph.*
BRINSMADE, JAMES BEEBE, *Inst.*
Bright, Percy Stickney, *Fr.*
Britton, Kenneth Phillips, *Fr.*
Brown, Henry Adam, *Jr.*
Brown, Horace Hallock, *Sr.*
Brown, Richard Lyon, *Fr.*
Brown, Paul, *Fr.*
Brown, Sterling Allen, *Soph.*
Bruce, James Craigie, Jr., *Soph.*
Brucker, Herman Ewald, *Jr.*
Brune, Herbert Maxwell, Jr., *Soph.*
Buck, Sherwood Emerson, *Sr.*
Buckner, Walker Thornton, *Soph.*
Buell, Trescott Avery, *Soph.*
BUFFINTON, ARTHUR HOWLAND, *Asst. Prof.*
Bullock, Hugh, *Jr.*

DICKERMAN, SHERWOOD OWEN,
Asst. Prof.

Dickey, Livingston Alexander, *Fr.*
Dickinson, Edwards Haven, *Soph.*
Dillingham, Winthrop Bulkley, *Soph.*
Doherty, Randolph, *Soph.*
Dorsey, Charles Welby, Jr., *Jr.*
Dowd, Roger Lamkin, *Fr.*
Draper, Warren Ames, *Sr.*
DROPPERS, GARRETT, *Prof.*
Dunn, Malcolm, *Fr.*
Dunn, Stanley M., *Fr.*
Durfee, John Rorback, *Fr.*
DUTTON, GEORGE BURWELL,
Asst. Prof.

Eaton, Frederick Heber, *Soph.*
Eaton, Wilfred Ernest, Jr., *Jr.*
Edson, Stuart Franklin, *Soph.*
Elliman, James Franklin, *Fr.*
Elliott, Chapman Gardiner, *Soph.*
Ely, Valentine Augustus, *Fr.*
Emerson, Richards Haskell, *Soph.*
Evarts, Daniel Edgar, Jr., *Fr.*
Ewing, Hampton Denman, Jr., *Soph.*

Faber, Edwin Harold, *Fr.*
Fargo, Edward Albert, Jr., *Soph.*
Farnham, Francis Morrison, *Fr.*
Farr, Everett Lafayette, *Sr.*
Fasce, Egi Victor, *Fr.*
Feeley, Le Grand Durby, *Soph.*
Ferguson, Arthur Donald, *Sr.*
Ferris, Leonard White, *Jr.*
Field, Francis Eugene, *Soph.*
Fieser, Louis Frederick, *Sr.*
Finder, William, *Sr.*
Finkler, Albert Trostel, *Sr.*
Finn, John Hartney, *Jr.*
FISHER, HARRIET LUTHERA,
Library Asst.
Fitch, Lawrence Elliott, *Sr.*
Fitchen, Paul Russell, *Fr.*

Fleming, Peter Baldwin, *Soph.*
Foster, John Morrill, *Sr.*
Fowler, Thomas James, *Jr.*
Fraenckel, Carl Hartwig, *Sr.*
Fraker, Charles Dickerman, *Jr.*
Francis, Seaver Page, *Fr.*
Frazier, Fred William, *Soph.*
Freeman, Louis Bryant, *Jr.*
Fulle, Frederick William, Jr., *Jr.*

Gahagan, Frederick Mussen, *Jr.*
Gahagan, William Corthel, *Sr.*
GALBRAITH, JOHN SAYWARD,
Asst. Prof.

Gallagher, John Cole, *Fr.*
Gardner, William Arthur, *Soph.*
Garfield, Edward Williams, *Soph.*
GARFIELD, HARRY AUGUSTUS, *Pres.*
Garvin, Wilfred Blake, *Fr.*
Gay, Sherwood Beach, *Jr.*
GEER, RUSSEL, *Inst.*
Gillham, Robert Marty, *Sr.*
Gobeille, Ernest Philip, *Fr.*
Goff, William Southworth, *Fr.*
Goodkind, Godfrey Lester, *Sr.*
Goodman, Howard, *Sr.*
GOODRICH, FRANK, *Prof.*
Gordon, Robert, Jr., *Fr.*
Graves, Harmon Sheldon, Jr., *Fr.*
Gray, Julius Caulkins, *Soph.*
Greeff, Herbert B., *Fr.*
GREEN, ELMER ALANSON,
Registrar, and Sec'y of Faculty
Greene, Lancaster M., *Fr.*
Greer, Henry Kirk, *Soph.*
GRIFFIN, SOLOMON BULKLEY, *Trustee*
Grindy, Roy Melvin, *Sr.*
Grout, Marshall, *Soph.*
Gummey, Charles Henry, Jr., *Soph.*

Haggerty, Cecil Jerome, *Fr.*
Hahlo, Robert Herman, *Soph.*
Hall, Cameron Parker, *Jr.*

- Hamilton, George Johnson, *Fr.*
 Hanning, Harold Alfred, *Sr.*
 Harder, Charles Nicholas, *Soph.*
 Hardie, Joseph Polk, *Fr.*
 HARDY, JAMES GRAHAM, *Prof.*
 HART, WILLIAM COOK, *Asst. Treas.*
 Hastings, William Washington, *Soph.*
 Hatch, Van Note, *Sr.*
 Hawes, Stewart Starks, *Sr.*
 Heath, Ogden William, *Jr.*
 Heavenrich, Samuel Walter, *Fr.*
 Hedden, Walter Page, *Sr.*
 Heimstreet, Verne Verbeck, *Sr.*
 Helmer, Faxon Albert, *Fr.*
 Hemphill, Meredith, *Fr.*
 HENDEL, CHARLES WILLIAM, *Inst.*
 Henderson, Ernest Kirtland, *Jr., Sr.*
 Henning, Edward Talcott, *Jr.*
 HEWITT, JOHN HASKELL, *Prof. Emer.*
 HEWITT, THEODORE BROWN, *Asst. Prof.*
 Heymann, Theodore Seymour, *Jr.*
 Hibbard, Robert Sargent, *Jr.*
 Hilton, John Carland, *Fr.*
 Hinman, Walter Livingston, *Jr.*
 Hinn, James Ludlow, *Fr.*
 Hloek, Kenneth Taggard, *Fr.*
 HOAR, CARL SHERMAN, *Inst.*
 Hoffman, Richard Sanford, *Fr.*
 Holmes, Edwin, *Jr., Fr.*
 Holsten, Edward Lawrence, *Soph.*
 Holt, Alfred Hubbard, *Sr.*
 Hopkins, Stephen Woolsey, *Soph.*
 Hotchkiss, Leonard Bogue, *Sr.*
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